CONSTRUCTION NEWS

Supplement to ENGINEERING NEWS. New York, February 14, 1907.

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CONSTRUCTION NEWS.

PLANS AND SPECIFICATIONS ON FILE.

The following Plans (P.), Specifications (S.) and Bidding Sheets (B. S.) may be seen at the office of The Engineering News Publishing Co., 220 Broadway, New York:

Bids close.	Work.	Place.	On file.	See issue
Feb.				
16	Wharves & dredging	Norfolk, Va.	S.	1-24
16	Underground cables	Phila., Pa.	S.	1-31
*18	Machine shop, etc.,	Ft. Hancock, N. J.	P., S. & B. S.	1-24
25	Lighting, etc.	Washington, D. C.	S. & B.S.	1-24
Mar.				
*1	Pipe, etc.	Winnipeg, Man.	S. & B. S.	1- 3
*1	Vit. paving	St. Clairsville, Ohio	S.	2- 7
*5	Canals & ditches	Williston, N. Dak.	P., S. & B. S.	2- 7
*12	Canals	Huntley, Mont.	P., S. & B. S.	2- 7
18	Sewers	Burlington, Iowa	P., S. & B. S.	1-10

*Work advertised in Engineering News.

LIST OF CONTRACTS PENDING.

LIGHT, HEAT AND POWER PLANTS.

Bids close. Work. Place. On file.

Feb. 14. Wire, Cleveland, Ohio ..... Feb. 14
Feb. 15. Lighting, Rock Hill, N. C. ..... Jan. 17
Feb. 16. Underground cables, Philadelphia, Pa. ... Jan. 31
Feb. 16. Units, Boston, Mass. ..... Jan. 31
Feb. 18. Power-house, Ft. Hancock, N. J. ..... Jan. 24
Advertised, Eng. News, Jan. 24 to Feb. 14.
Feb. 20. Transmission lines, Chicago, Ill. ..... Jan. 17
Feb. 20. Lighting fixtures, Ft. McPherson, Ga. ... Feb. 7
Feb. 25. Conduit, etc., Superior, Wis. ..... Feb. 7
Feb. 25. Lighting, etc., Washington, D. C. ..... Jan. 24
Feb. 25. Electrical equipment, New York, N. Y. . Feb. 14
Feb. 26. Gas lighting, Buffalo, N. Y. ..... Feb. 14
Feb. 27. Power-house fittings, Indianapolis, Ind. . Feb. 14
Feb. 29. Dam and power-house, Streetsville, Ont. Feb. 14
Mar. 7. Lighting, Natchez, Miss. ..... Dec. 20
Advertised, Eng. News, Dec. 20 and 27.
Mar. 12. Power plant, Washington, D. C. ..... Feb. 7
Advertised, Eng. News, Feb. 7 to 21.

BRIDGES.

Feb. 14. Steel bridge, Cullman, Ala. ..... Jan. 10
Advertised, Eng. News, Jan. 10.
Feb. 14. Steel bridge, Waldo, Ohio ..... Jan. 17
Feb. 15. Bridge, Houston, Tex. ..... Jan. 31
Feb. 15. Bridge woodwork, Cincinnati, Ohio ..... Jan. 24
Feb. 18. Bridge, Portersville, Cal. ..... Jan. 24
Feb. 18. Bridge, Albuquerque, N. Mex. ..... Feb. 7
Feb. 18. Bridges, Indianapolis, Ind. ..... Feb. 7
Feb. 20. Bridges, Nashville, Tenn. ..... Feb. 14
Feb. 21. Ice breakers, Des Moines, Iowa ..... Feb. 14
Feb. 23. Bridge, Dayton, Ohio ..... Feb. 14
Feb. 25. Bridge, Kansas City, Mo. ..... Feb. 14
Feb. 25. Bridge floor, Washington C. H., Ohio. ... Feb. 14
Feb. 25. Bridge and bridge repair, Binghamton, N. Y. ..... Feb. 7
Advertised, Eng. News, Feb. 7 and 14.
Feb. 25. Reflooring, Jefferson, Ohio ..... Jan. 31
Feb. 25. Bridge, Daggett, Cal. ..... Jan. 31
Feb. 26. Bridges, Madison, Neb. ..... Feb. 14
Feb. 28. Raising bridge, Crookston, Minn. ..... Feb. 14
Mar. 1. Bridge, Cincinnati, Ohio ..... Feb. 14
Mar. 1. Viaduct, Louisville, Ky. ..... Feb. 14
Apr. 1. Bridge, Greenwood, Miss. ..... Jan. 31

BUILDINGS.

Feb. 15. Factory, Kokomo, Ind. ..... Feb 7
Feb. 16. Factory, Niagara Falls, N. Y. ..... Feb. 14
Feb. 18. School, New York, N. Y. ..... Feb. 7
Feb. 18. School, Salem, Mass. ..... Feb. 7
Feb. 18. School, Binghamton, N Y. ..... Feb. 7
Advertised, Eng. News, Feb. 7 and 14.
Feb. 18. Building, Jamestown, Va. ..... Jan. 31
Advertised, Eng. News, Jan. 31 and Feb. 7.
Feb. 18. Machine shop, etc, Ft. Hancock, N. J. .. Jan. 24
Advertised, Eng. News, Jan. 24 to Feb. 14.
Feb. 19. Workshops, New York, N. Y. ..... Feb. 7
Feb. 20. Court-house, New York, N. Y. ..... Feb. 20
Feb. 23. Hospital, Washington, D. C. ..... Feb. 7
Advertised, Eng. News, Feb. 7 and 14.
Feb. 25. Coliseum, Indianapolis, Ind. ..... Feb. 7
Feb. 25. Metal working machinery, etc., Fort Hancock, N. J. ..... Jan. 31
Advertised, Eng. News, Jan. 31 to Feb. 21.
Feb. 26. Building stone, Madison, Wis. ..... Jan. 31
Advertised, Eng. News, Jan. 31 and Feb. 7.
Feb. 27. Elevator, Ogden, Utah ..... Feb. 14
Mar. 1. Y. M. C. A. building, Norfolk, Va. ..... Feb. 14
Mar. 1. Plumbing, etc., New York, N. Y. ..... Feb. 14
Mar. 1. Designs, Trenton, N. J. ..... Feb. 14
Mar. 4. Leper hospital, Hawaii ..... Feb. 7
Mar. 5. Interior finish, Cleveland, Ohio ..... Jan. 31
Advertised, Eng. News, Jan. 31.
Mar. 14. Post-office, etc., Spokane, Wash. ..... Feb. 7
Apr. 3. Plumbing fixtures, Washington, D. C. .. Feb. 14
Advertised, Eng. News, Feb. 14 to Mar. 7.
Apr. 15. Plans, Ottawa, Ont. ..... Dec. 20

WATER SUPPLY AND IRRIGATION.

Feb. 15. Cast-iron pipe, Greenwich, Conn. ..... Feb. 7
Advertised, Eng. News, Feb. 7.
Feb. 15. Water tower, Pinckneyville, Ill. ..... Feb. 7
Feb. 15. Pipe, valves, etc., New York, N. Y. ..... Feb. 14
Feb. 18. Pumps and engines, Albany, N. Y. ..... Feb. 7
Advertised, Eng. News, Feb. 7.
Feb. 18. Pumping plant, water pipe, etc., Natal (Foreign) ..... Jan. 24
Feb. 19. Reservoirs, etc., Oswego, Kan. ..... Jan. 17
Feb. 19. Repairing reservoir, Santa Rosa, Cal. .. Feb. 14
Feb. 19. Steel tank, etc., Sparta, Wis. ..... Feb. 14
Feb. 20. Trenches, New York, N. Y. ..... Feb. 14
Feb. 20. Hydrants, etc., New York, N. Y. ..... Feb. 14
Feb. 20. Water meters, Mexico ..... Jan. 10
Feb. 20. Ditch, etc., Mattoon, Ill. ..... Jan. 31
Feb. 20. Reservoir, etc., Mt. Pleasant, Mich. ... Jan. 31
Advertised, Eng. News, Jan. 24 and 31.
Feb. 21. Cast-iron pipe and castings, Berlin, Ont. Feb. 14
Feb. 23. Hydrants, Asbury Park, N. J. ..... Feb. 14
Advertised, Eng. News, Feb. 14.
Feb. 25. Water mains and sewers, Hastings, Minn. Feb. 14
Feb. 25. Tank, etc., Philadelphia, Pa. ..... Feb. 14
Feb. 26. Pressure pipe, etc., Seattle, Wash. ..... Jan. 31
Feb. 26. Artesian well, Pierre, S. Dak. ..... Feb. 7
Feb. 27. Dike, Crawford, Neb. ..... Jan. 17
Advertised, Eng. News, Jan. 17 to Feb. 20.
Feb. 28. Water mains, Salt Lake City, Utah. ... Feb. 7
Advertised, Eng. News, Feb. 7 and 14.
Mar. 1. Pipe and specials, Winnipeg, Man. ..... Dec. 20
Advertised, Eng. News, Dec. 20 to Feb. 21.
Mar. 2. Hydrants, Washington, D. C. ..... Jan. 31
Mar. 5. Canals and ditches, Washington, D. C. . Jan. 10
Advertised, Eng. News, Jan. 10 to Feb. 14.
Mar. 7. Distributing system, Ft. Monroe, Va. ... Feb. 7
Advertised, Eng. News, Feb. 7 to 28.
Mar. 7. Water mains, Salt Lake City, Utah. .... Feb. 7
Advertised, Eng. News, Feb. 7 and 14.
Mar. 7. Chimney, Yonkers, N. Y. ..... Feb. 14
Advertised, Eng. News, Feb. 14.
Mar. 7. Water-works, Fort Monroe, Va. ..... Feb. 14
Mar. 12. Canals, Huntley, Mont. ..... Jan. 17
Advertised, Eng. News, Jan. 17 to Feb. 7.
Mar. 15. Dam, Great Falls, Mont. ..... Feb. 7
Advertised, Eng. News, Feb. 7 to Mar 7.
Mar. 19. Pumping plant, California City Point, Cal. Feb. 14
Apr. 3. Canals, etc., Great Falls, Mont. ..... Feb. 14
Advertised, Eng. News, Feb. 14 to Mar. 21.

SEWERAGE.

Feb. 14. Sewers, Decatur, Ill. ..... Jan. 24
Advertised, Eng. News, Jan. 24 to Feb. 7.
Feb. 15. Sewer, Wichita, Kan. ..... Jan. 31
Feb. 15. Sewers, Buffalo, N. Y. ..... Feb. 7
Feb. 16. Sewers, Charleston, W. Va. ..... Jan. 31
Advertised, Eng. News, Jan. 24 to Feb. 14.
Feb. 17. Sewers, Cincinnati, Ohio ..... Jan. 24
Feb. 18. Sewers, etc., Atlanta, Ga. ..... Jan. 31
Advertised, Eng. News, Jan. 31.
Feb. 18. Sewers, New York, N. Y. ..... Feb. 7
Feb. 18. Sewer, Emporia, Kan. ..... Feb. 14
Feb. 18. Sewer, Wichita, Kan. ..... Feb. 14
Feb. 19. Sewer, Trenton, N. J. ..... Feb. 14
Feb. 19. Sewers, Cairo, Ill. ..... Jan. 24
Advertised, Eng. News, Jan. 24 to Feb. 14.
Feb. 20. Sewers, Oakland, Cal. ..... Feb. 14
Feb. 21. Drains and ditches, Fort Dodge, Iowa .. Jan. 24
Feb. 25. Sewers, Hastings, Minn. ..... Feb. 7
Feb. 27. Sewer, Brooklyn, N. Y. ..... Feb. 14
Feb. 28. Sewers, etc., Ravenna, Ohio ..... Feb. 14
Feb. 28. Sewers, Salt Lake City, Utah. ..... Feb. 7
Advertised, Eng. News, Feb. 7 and 14.
Feb. 28. Sewers, Orangeburg, S. C. ..... Jan. 31
Advertised, Eng. News, Jan. 31 to Feb. 21.
Mar. 4. Sewer, Willoughby, Ohio ..... Feb. 14
Mar. 11. Septic tank, Aberdeen, S. Dak. ..... Feb. 14
Mar. 12. Sewer, Sayre, Pa. ..... Feb. 14
Advertised, Eng. News, Feb. 14 to 28.
Mar. 18. Sewers, Burlington, Iowa ..... Dec. 27
Advertised, Eng. News, Dec. 27.

STREETS AND ROADS.

Feb. 14. Paving, etc., Neodesha, Kan. ..... Jan. 31
Feb. 14. Paving, El Paso, Tex. ..... Feb. 7
Feb. 15. Macadam, Greensburg, Pa. ..... Feb. 7
Feb. 15. Repairing road, Cincinnati, Ohio ..... Jan. 24
Feb. 15. Paving, Tulsa, Ind. T. ..... Jan. 24
Advertised, Eng. News, Jan. 24 to Feb. 14.
Feb. 15. Sand, Washington, D. C. ..... Feb. 14
Feb. 16. Road work, Iowa City, Iowa ..... Feb. 14
Feb. 16. Paving, Gadsden, Ala. ..... Feb. 14
Feb. 16. Macadam, Laporte, Ind. ..... Jan. 31
Feb. 18. Paving, Newburgh, N. Y. ..... Jan. 24
Advertised, Eng. News, Jan. 24 and 31.
Feb. 18. Grading, Chagrin Falls, Ohio ..... Feb. 7
Feb. 18. Sidewalks, Jacksonville, Fla. ..... Feb. 7
Feb. 18. Paving, Elkhart, Ind. ..... Feb. 7
Feb. 18. Paving, Wichita, Kan. ..... Feb. 7
Feb. 18. Grading, etc., Berlin Center, Ohio ..... Feb. 14
Feb. 18. Repaving, New Orleans, La. ..... Feb. 14
Feb. 18. Sidewalks, etc., Atlanta, Ga. ..... Feb. 14
Feb. 18. Paving, etc., Johnstown, N. Y. ..... Feb. 14
Feb. 18. Paving, grading, etc., Albany, N. Y. ..... Feb. 14
Feb. 19. Macadam, etc., Oak Park, Ill. ..... Feb. 7
Feb. 19. Paving, New Orleans, La. ..... Jan. 31
Feb. 20. Grading, etc., Louisville, Ky. ..... Feb. 7
Feb. 20. Sidewalks, etc., New York, N. Y. ..... Feb. 14
Feb. 21. Paving, Youngstown, Ohio ..... Feb. 14
Feb. 21. State highway, Columbus, Ohio ..... Feb. 7
Feb. 21. Paving, Jefferson, Wis. ..... Feb. 7
Feb. 22. Sidewalks, Bluffton, Ind. ..... Feb. 14
Feb. 23. Paving, Racine, Wis. ..... Feb. 7
Feb. 23. Roads, Terre Haute, Ind. ..... Feb. 7
Feb. 25. Paving, Tyler, Tex. ..... Feb. 7
Feb. 25. Grading, etc., Nonessen, Pa. ..... Jan. 31
Advertised, Eng. News, Jan. 31 and Feb. 7.
Feb. 25. Paving, etc., Mamaroneck, N. Y. ..... Feb. 14
Advertised, Eng. News, Feb. 14 and 21.
Feb. 26. Grading, etc., New York, N. Y. ..... Feb. 14
Feb. 26. State highway, Columbus, Ohio ..... Feb. 7
Feb. 27. State highway, Columbus, Ohio ..... Feb. 7
Feb. 27. Grading, etc., McKeesport, Pa. ..... Feb. 14
Feb. 28. State highway, Columbus, Ohio ..... Feb. 7
Feb. 28. Sidewalks, Salt Lake City, Utah ..... Feb. 7
Advertised, Eng. News, Feb. 7 and 14.
Feb. 28. Asphalt, Winnipeg, Man. ..... Feb. 7
Advertised, Eng. News, Feb. 7 and 14.
Feb. 28. Asphalt, Winnipeg, Man. ..... Jan. 31
Feb. 28. Paving, Corning, N. Y. ..... Jan. 24
Advertised, Eng. News, Jan. 24 to Feb. 7.
Mar. 1. Vitrified paving, St. Clairsville, Ohio. ... Feb. 7
Advertised, Eng. News, Feb. 7.
Mar. 1. Improving streets, Corvallis, Ore. ..... Jan. 10
Mar. 4. Paving, etc., Goshen, Ind. ..... Feb. 7
Mar. 4. Macadam, etc., Annapolis, Md. ..... Feb. 14
Mar. 5. Highway, Wooster, Ohio ..... Feb. 14
Mar. 7. Paving, etc., Two Rivers, Wis. ..... Feb. 14
Mar. 8. Gravel road, Princeton, Ind. ..... Feb. 14
Mar. 8. Curbs and gutters, Valparaiso, Ind. ..... Jan. 17
Mar. 15. Improving grounds, Salem, Ore. ..... Feb. 14

MISCELLANEOUS CONTRACTS.

Feb. 14. Ry. construction, Trans-Continental Ry. Jan. 17
Feb. 14. Ordnance, Washington, D. C. ..... Feb. 7
Feb. 14. Light towers, Buffalo, N. Y. ..... Feb. 7
Feb. 14. Electric railway, Hattiesburg, Miss. ..... Feb. 14
Feb. 15. Broken stone, sand, New York, N. Y. ..... Feb. 14
Feb. 15. Cement, Portage la Prairie, Man. ..... Feb. 7
Feb. 15. Breakwater, Revere, Mass. ..... Feb. 7
Feb. 15. Removing tug, Ottawa, Ont. ..... Feb. 7
Feb. 15. Lock and dam, Mobile, Ala. ..... Jan. 17
Advertised, Eng. News, Jan. 17 to Feb. 7.
Feb. 15. Steam shovel work, etc., New Orleans, La. Jan. 31
Advertised, Eng. News, Jan. 31 to Feb. 14.
Feb. 16. Timber, wharves, etc., Norfolk, Va. ... Jan. 24
Feb. 16. Dredging, Norfolk, Va. ..... Jan. 24
Feb. 16. Engineering supplies, Panama ..... Feb. 7
Feb. 18. Engineering supplies, Panama ..... Feb. 14
Feb. 19. Naval supplies, Washington, D. C. ..... Feb. 14
Feb. 19. Portland cement, Peterboro, Ont. ..... Feb. 14
Feb. 19. Machine tools, Vallejo, Cal. ..... Feb 7
Feb. 19. Hydraulic dredge, Toronto, Ont. ..... Jan. 17
Advertised, Eng. News, Jan. 17 to 31.
Feb. 20. Metal work, Baltimore, Md. ..... Feb. 7
Advertised, Eng. News, Feb. 7.
Feb. 20. Drain, Sac City, Iowa ..... Feb. 14
Feb. 20. Railway construction, St. Mary's & Western Ontario ..... Feb. 14
Feb. 20. Broken stone, corrugated bars, etc., Baltimore, Md. ..... Feb. 14
Feb. 21. Ditches, Ft. Dodge, Iowa ..... Feb. 7
Feb. 21. Ordnance, Washington, D. C. ..... Feb. 7
Feb. 21. Elevated Ry. connection, New York, N. Y. Feb. 7
Feb. 22. Pier head, Hamilton, Ont. ..... Feb. 7
Feb. 23. Engineering supplies, Panama ..... Feb. 14
Feb. 25. Monument, New York, N. Y. ..... Jan. 24
Advertised, Eng. News, Jan. 24 to Feb. 21.
Feb. 25. Garbage, New York, N. Y. ..... Feb. 7
Advertised, Eng. News, Feb. 7 to 21.
Feb. 25. Electric railway, Winnipeg, Man. ..... Jan. 31
Advertised, Eng. News, Feb. 7 and 14.
Feb. 26. Sea wall, North Chicago, Ill. ..... Jan. 31
Advertised, Eng. News, Jan. 31 and Feb. 7.
Feb. 26. Naval supplies, Washington, D. C. ..... Feb. 14
Feb. 26. Tug, Washington, D. C. ..... Feb. 14
Feb. 27. Drain, Boone, Iowa ..... Feb. 14
Feb. 28. Buoy service, Buffalo, N. Y. ..... Feb. 14
Feb. 28. Rubblestone, Boston, Mass. ..... Feb. 7
Advertised, Eng. News, Feb. 7 to 21.
Mar. 1. Garbage removal, Adrian, Mich. ..... Jan. 24
Mar. 2. Dredging, New London, Conn. ..... Jan. 31
Advertised, Eng. News, Jan. 31 to Feb. 21.
Mar. 4. Drains, Clarion, Iowa ..... Feb. 14
Mar. 5. Locks, gates, cement, Columbus, Ohio. ... Feb. 14
Mar. 5. Naval supplies, Washington, D. C. ..... Feb. 14
Mar. 5. Buoy service, Tompkinsville, N. Y. ..... Jan. 31
Mar. 6. Rebuilding canal locks, cement, etc., Columbus, Ohio ..... Feb. 7
Advertised, Eng. News, Feb. 7 to 28.
Mar. 6. Levee, Memphis, Tenn. ..... Feb. 14
Mar. 7. Chimney, Yonkers, N. Y. ..... Feb. 14
Advertised, Eng. News, Feb. 14.
Mar. 11. Lumber, Wheeling, W. Va. ..... Feb. 14
Advertised, Eng. News, Feb. 14 to Mar. 7.
Mar. 11. Repairing dikes, New York, N. Y. ..... Feb. 14
Advertised, Eng. News, Feb. 14 to Mar. 7.
Mar. 12. Bear-trap gates, Wheeling, W. Va. ..... Feb. 14
Advertised, Eng. News, Feb. 14 to Mar. 7.
Mar. 18. Tunnel, New Zealand (Foreign) ..... Sept. 13
Advertised, Eng. News, Sept. 13 to Mar. 14.
Mar. 27. Dredging, New Orleans, La. ..... Jan. 24
Advertised, Eng. News, Jan. 24 and 31.
Mar. 28. Canal, Boston, Mass. ..... Feb. 14
Advertised, Eng. News, Feb. 14 to 28.
Apr. 2. Reclamation work, British India (Foreign). Jan. 17
Apr. 11. Cement, Brandon, Man. ..... Feb. 14
Advertised, Eng. News, Feb. 14 to Mar. 7.
Apr. 12. Ditches, Brookings, S. Dak. ..... Oct. 18
No date. R. R. supplies, Council City & Solomon River R. R. ..... Jan. 24

CIVIL SERVICE EXAMINATIONS.

Feb. 18. Marine Engineer, San Francisco, Cal. . Jan. 17
Feb. 18. Structural Steel Work Draftsman, Washington, D. C. ..... Feb. 7
Advertised, Eng. News, Feb. 7 and 14.
Feb. 18. Electrical Draftsman, Washington, D. C. Feb. 7
Advertised, Eng. News, Feb. 7 and 14.
Feb. 19. Architectural Draftsman, New York, N. Y. Jan. 31
Feb. 20. Electrician, San Francisco, Cal. ..... Jan. 17
Feb. 23. Bridge Draftsman, Albany, N. Y. ..... Jan. 31
Feb. 23. Assistant Electrical Engr., Albany, N. Y. Jan. 31
Feb. 23. Assistant Steam Engr., Albany, N. Y. . Jan. 31
Feb. 27. Chief Engineer, St. Louis, Mo. ..... Jan. 31
Feb. 27. Surveyor, Philippines ..... Feb. 14
Feb. 27. Draftsman, Washington, D. C. ..... Feb. 14
Feb. 27. Asst. Assayer, Charlotte, N. C. ..... Feb. 14
Feb. 27. Civil Service Examiner, New York, N. Y. Feb. 14
Mar. 5. Rodman, New York, N. Y. ..... Feb. 7
Advertised, Eng. News, Feb. 7 and 14.
Mar. 6. Irrigation Manager, Washington, D. C. . Jan. 31
Mar. 6. Superv. Drainage Engr., Wash., D. C. Jan. 31
Mar. 7. Masonry Inspector, New York, N. Y. ... Feb. 14

PAV NG.

St. ...sville, Ohio.
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R. JAY WALSH,
President.
b. 6, 1907. 6-1t

S.—Fort Monroe, Va.
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VICE COMMISSION
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, February 6, 1907.
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K A. SPENCER,
Secretary.

NS OPEN

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Engineering News.
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TTERING
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pages. Price $3.00.

LEAGUE ISLAND (Philadelphia post-office), PA.—Bids were opened Feb. 9, at the Bureau of Yards and Docks, Navy Dept., Washington, D. C., for furnishing one motor generator set for the Navy Yard, League Island. Bids were: New Jersey Foundry & Machine Co., 9 Murray St., New York, (2) $5,000; Western Electric Co., 453 West St., New York, (1) $4,605; General Electric Co., Schenectady, N. Y., (1) $3,061; (2) $2,920; Motley, Green & Co., 66 Broad St., New York, (1) $3,450; (2) $3,150; Carl Leonard de Muralt, 114 Liberty St., New York, (1) $3,[illegible]; Westinghouse Electric Co., 1307 Continental Trust Bldg., Baltimore, (1) $2,824.

WASHINGTON, D. C.—Wyeth & Cresson, Archs., 1517 H St. N. W., Washington, are preparing plans and specifications for the central power-house building for the lighting, heating and power plant for the Congressional Buildings at Washington. It is reported that the engine room will be 112 ft. long by 85 ft. wide, the boiler room 128 ft. long by 65 ft. wide, and that there will be two firing aisles. There will be 16 boilers installed at first, and sufficient space left for eight additional boilers in case there is necessity in future for an increase. The estimated cost of the building is $180,000.

ELBERTON, GA.—Plans are being made to install an additional engine of 125 HP., and an alternator in the municipal electric light plant. G. W. Hubbard is Supt.

THOMASVILLE, GA.—It is reported that the citizens are contemplating installation of a 60-cycle, 3-phase, direct-connected unit in the municipal electric light plant. D. R. Pringle is Supt.

BAINBRIDGE, GA.—The officers of the municipal electric light plant are preparing to establish a day service, and are now installing a 108-KW. 2-phase, alternating current Stanley generator, and a 25-HP. Corliss engine. L. L. Ingram is Supt.

ARCADIA, FLA.—It is reported that the Arcadia Electric Light, Ice & Telephone Co. is contemplating installing a series arc circuit. Edmond Scott is Mgr.

JACKSONVILLE, FLA.—Plans are being formed for extensive improvements and additions to the municipal electric light plant, which consist of installation of two 500-HP. boilers, a new chimney, and the construction of a 125-ft. dam. R. N. Ellis is Supt.

MORRISTOWN, TENN.—The City has appropriated $350,000 for the purchase of new machinery and making improvements to its electric light plant and water-works. James Mather is Supt.

LOUISVILLE, KY.—We are officially advised that the STACEY MFG. CO., of Cincinnati, Ohio, has contract to erect gasometer for the Louisville Gas Co. A. H. Barret is Engr.

CLEVELAND, OHIO.—Bids are asked until Feb. 14 by the Board of Public Service for weather-proof wire for the extension of the municipal electric light plant. A. R. Callow is Secy.

LAKEWOOD (Cleveland post-office), OHIO.—Bids are asked by the Clerk of the Board of Trustees of Public Affairs until Feb. 16, for the purchase of the electric light plant. E. E. Sherwood is Pres. Bd.

TOLEDO, OHIO.—The Board of Education has awarded the TOLEDO RAILWAY & LIGHT CO. the contract for lighting the public school buildings for a term of three years at 4 cts. a KW.-hour, and at 3 cts. a KW.-hour for power.

INDIANAPOLIS, IND.—Bids are asked until Feb. 27 by the Board of County Commissioners for new boilers, pumps, heater and necessary pipe work for the county power-house. Cyrus J. Clark, County Audr.

FARMINGTON, ILL.—The Farmington Electric Light Co. will soon install an Ide engine and a 90-KW. alternator, which it expects to have in operation in 60 or 90 days. The alternator has not yet been selected. Theodore Bass is Owner; L. W. Hitchcock is Ch. Engr.

PLANO, ILL.—The Plano Heat, Light & Power Co. will install engine boiler and generator of 100-HP. capacity. E. Lindner is Mgr.

CHICAGO, ILL.—Bids are asked until Feb. 20 by the South Park Commissioners for furnishing, delivering and erecting in the power-house in Washington Park the following: One centrifugal pump, capacity 5,000 gallons per minute; one surface condenser for 1,000-KW. steam turbine; one open type feed-water heater, capacity 1,000 HP.; sheet steel breeching for 3,350-HP. boilers; non-conducting fireproof breeching lining for 3,350-HP. boilers; one 50-KW., 125-volt, direct-connected generator; one 50-HP. vertical throttling engine; one 90-HP. vertical automatic engine; one boiler feed pump, 200 gallons per minute; one 20-ton traveling bridge crane. E. G. Shumway is Secy.

THIEF RIVER FALLS, MINN.—It is reported that the city electric light plant will be enlarged at a cost of about $20,000. Leonard Peterson is Supt.

CROOKSTON, MINN.—The Crookston Water-Works, Power & Light Co. contemplates constructing a power plant and dam. W. J. Murphy, Minneapolis, is Pres.

ABERDEEN, S. DAK.—It is proposed to construct an electric light plant, to cost $35,000. Charles L. Pillsbury, of Minneapolis, Minn., is Engr.; F. W. Raymond is City Audr.

LITTLE ROCK, ARK.—The Little Rock Railway & Electric Co. has placed a contract with the GENERAL ELECTRIC CO. for a 1,500-KW. Curtis steam turbine. D. A. Hegarty is Mgr.

DENISON, TEX.—It is reported that the Directors of the Denison Light & Power Co. have decided to make improvements to its plant, at a cost of about $50,000. W. B. Munson is Pres.

BROWNSVILLE, TEX.—The Brownsville Water, Light & Power Co. is reported to be arranging to make extensive improvements in its plant, at a cost of $50,000. W. M. Ratcliffe is Mgr.

HALIFAX, N. S.—We are officially advised that the only bid received for lighting the streets and public buildings of this city was that of the Halifax Electric Tramway Co. The bid was $65 for each 2,000-c. p. enclosed arc lamp, and $21 for each 50-c. p. Bernstein lamp. F. W. W. Doane is City Engr.

STREETSVILLE, ONT.—Bids are asked until Feb. 29 by John S. Fielding, C. E., 15 Toronto St., Toronto, for constructing concrete dam and power-house for the town of Streetsville.

PRINCE ALBERT, SASK.—We are officially advised that the Board of Trade has had plans prepared by C. H. Mitchell, C. E., for proposed dam and electric power plant, to supply from 1,000 to 1,500 lights. It is probable that the plant will be under municipal ownership. R. S. Cook is Mayor; R. D. Willson is City Engr. Robert J. Hartley is interested.

BRIDGES.

The names of parties awarded contracts are printed in capital letters.

COHOES, N. Y.—We are officially advised that bids were received Feb. 5, by the Common Council, for constructing a 2-span plate girder bridge, as follows: M. Fitzgerald, Hoosick Falls, N. Y., $26,951; The United Construction Co., Albany, N. Y., $27,596; Toledo-Massillon Bridge Co., Toledo, Ohio, $27,990; Canton Bridge Co., Canton, Ohio, $28,542; Penn Bridge Co., Beaver Falls, Pa., $28,911; Seneca Engineering Co., Montour Falls, N. Y., $29,638; Dean, Schweirs & Sutton Co., 136 Liberty St., New York, $34,472, and New Jersey Bridge Co., 949 Broadway, N. Y., $35,185. N. J. Elliott is City Clk. Charles H. Van Auken is City Engr.

ALLENTOWN, PA.—Contract for constructing the Tilghman St. bridge has been awarded to GEORGE H. HARDNER by the Highway Committee of Councils. H. F. Bascom is City Engr.

PETERSBURG, VA.—The Common Council has authorized the City Engineer to advertise for bids for constructing bridge over Appomattox River, to replace Campbell's bridge, which has been pronounced unsafe. The county of Chesterfield will bear one-third cost.

JACKSONVILLE, ALA.—Bids are asked for constructing bridge at Whiteside's mill in Calhoun County. S. G. Wright is Comr. First District, Jacksonville, Ala.

LAFAYETTE, LA.—We are officially advised that the Lafayette Parish Police Jury has awarded contract for constructing an iron frame bridge over Vermillion River at Darmas Broussard's Crossing, to the OTTUMWA BRIDGE CO., Ottumwa, Iowa, at $4,400.

NASHVILLE, TENN.—Bids are asked by the County Judge, until noon, Feb. 20, for the construction of bridge over Suggs Creek at Stewart's Ferry Road, 15 miles south of Nashville. Bridge to be constructed having 70-ft. span, 12-ft. roadway with guaranteed carrying capacity of 10,000 lbs., painted and resting on a stone abutment at each end. J. H. Cook is Chn., R. F. D. No. 17, Hermitage, Tenn.

LOUISVILLE, KY.—Bids are asked by the Board of Public Works, until Mar. 1, for constructing Oak St. viaduct. Estimated cost, $100,000. Joseph P. Claybrook is City Engr.

ASHLAND, OHIO.—Plans and specifications are being prepared by E. L. Berry, County Surv., for constructing two 45-ft. iron-span bridges, with 14-ft. roadway, stone and cement abutments.

WASHINGTON COURT HOUSE, OHIO.—Bids are asked by H. D. Chaffin, County Audr., until noon, Feb. 25, for constructing new floor for Court St. bridge. Frank M. Kennedy is County Surv.

WOOSTER, OHIO.—H. M. Knopp, County Surv., has completed plans and specifications for constructing the following bridges, with concrete and stone abutments: One 65 × 14-ft. iron span, concrete floor bridge; one 50 × 14-ft. iron span, concrete floor bridge; one 45 × 14-ft. iron span, concrete floor bridge; one 30 × 14-ft. iron span, concrete floor bridge, and one 40 × 14-ft. iron span, concrete floor bridge.

CINCINNATI, OHIO.—Bids are asked by the Board of County Commissioners until Mar. 1, for constructing substructure of bridge across M. and E. Canal at Benson St. W. H. Blair is Pres. Bd. County Comrs.

DAYTON, O.—Bids are asked by T. J. Kauffman, County Audr., until Feb. 23, for furnishing all labor and materials necessary for constructing bridge across Twin Creek on line between German and Jackson Townships.

MIDDLETOWN, OHIO.—Bids are now being received by the Cincinnati Northern Traction Co. for constructing a Pratt truss bridge across Great Miami River, south of this city. Bridge to be constructed of steel and concrete, 16½ ft. wide, and have four 175-ft. spans, having capacity of 4,000 lbs. per lin. ft. C. E. Alderman, at Hamilton, Ohio, is Ch. Engr.

PRINCETON, IND.—We are officially advised the Lintz Bros., Fort Franch, Ind., were lowest bidders for constructing 19 bridges. Harry R. Embree is County Audr.

CHARLESTON, ILL.—The MERCANTILE BRIDGE & CONCRETE CO., Paris, Ill., has been awarded contract for constructing reinforced concrete bridge across Ambraw River at Blakeman's mill, at $10,775. Bridge to be 225 ft. long and completed by Sept. 1. W. Edward Millar is Const. Engr.

KENOSHA, WIS.—It is reported that a bridge will be constructed by the city. Robert Moth is City Engr.

DES MOINES, IOWA.—Bids are asked until 11 a. m., Feb. 21, for constructing ice breakers in Des Moines River to protect Grand Ave. bridge. George D. Dobson is City Engr.

MUSCATINE, IOWA.—We are officially advised that the Board of County Commissioners has awarded contract for constructing all steel bridges that may be required for County use during 1907 to the DECATUR BRIDGE CO., Decatur, Ill. Bids were also received from the Indiana Bridge Co., Muncie, Ind., and the Joliet Bridge & Iron Co., Joliet, Ill. A. S. Lawrence is County Audr.

CROOKSTON, MINN.—Bids are asked by N. A. Hoffard, County Audr., until Feb. 28, for raising the new Gentilly bridge over Red Lake River.

LEAVENWORTH, KAN.—The Board of County Commissioners has awarded contract for constructing 48-ft. steel bridge in southern part of Leavenworth County to the MISSOURI VALLEY BRIDGE & IRON WORKS, of this city. Edward Jones is County Engr.

MADISON, NEB.—Bids are asked by the County Commissioners, until noon, Feb. 26, for constructing and repairing steel and wooden bridges that may be ordered for a term of one year from March 20, 1907. George E. Richardson is County Clk.

OMAHA, NEB.—The Metz Bros. Brewing Co. will construct a bridge across Leavenworth St. to connect the bottling department with the balance of the plant.

ST. LOUIS, MO.—Plans have been prepared by O. W. Childs, Bridge Engr., for constructing 1,100-ft. steel bridge at 18th St. Estimated cost, $100,000.

KANSAS CITY, MO.—Bids are asked by the Park Commissioners, until 3 p. m., Feb. 25, for construction of reinforced concrete continuous girder bridge across Brush Creek at 47th St. and Lydia Ave. Alternate bids are also asked for constructing reinforced concrete bridge on designs furnished by contractors. Frank P. Gossard is Secy.

ST. LOUIS, MO.—The Missouri Pacific Ry. System and the St. Louis & Suburban Ry. Co. will construct jointly a double-track steel bridge, 22 ft. high. Cost, $8,000. John A. Kreis, Jr., St. Louis, Mo., is Elec. Engr., St. Louis & Suburban Ry Co. E. F. Mitchell is Constr. Engr., Missouri Pacific Ry. System, at St. Louis.

CASHION, OKLA.—It is reported that the County Commissioners will construct new steel bridge across Cimaron River at this city.

SHAWNEE, OKLA.—It is reported that a wagon bridge will be constructed across Rawson Ave. at Kickapoo St. crossing. F. H. Reily is City Attorney.

SAN BERNARDINO, CAL.—The Atchison, Topeka & Santa Fe Ry. Co. plans to construct a viaduct along Mount Vernon Ave., between Third and Fourth Sts. Estimated cost, $50,000. A. F. Robinson, at Chicago, Ill., is Bridge Engr.

MONCTON, N. B.—The Intercolonial Ry. will rebuild six bridges and replace a number of spans along its road during the present year. A. E. Killam, at Moncton, N. B., is Insp. B. and B.

SOURIS, MAN.—It is reported that a bridge will be constructed over Souris River, at this place. Estimated cost, $12,000.

EDMONTON, ALTA.—The Canadian Pacific Ry. Co. may construct at this place during the present year a high-level bridge. Estimated cost, $1,000,000. N. E. Brooks, at Calgary, Alta., is Div. Engr.

SASKATOON, SASK.—J. McDIARMID & CO., Winnipeg, Man., have been awarded contract for building the concrete abutments and piers for the Canadian Pacific Ry. bridge at this city. The contract calls for seven piers and two abutments which will cover the steel superstructure from bank to bank, a distance of 1,255 ft. F. F. Busteed is Asst. Ch. Engr., at Winnipeg, Man.

BUILDINGS.

The names of parties awarded contracts are printed in capital letters.

NEW YORK, N. Y.—Bids are asked until 11 a. m., Feb. 20, by Joseph Bermel, Pres. Boro. of Queens, for rebuilding the Queens County Court-House at Long Island City, together with all the work incidental thereto. C. B. J. Snyder, Supt. School Bldgs. has plans for public school building, corner of Eastern Parkway and Herkimer St., Brooklyn. The building will be four stories high, 200 × 83 ft., constructed of brick, stone and terra cotta. Estimated cost, $270,000.

NEW YORK, N. Y.—James Knox Taylor, Superv. Arch. of the Treasury, Washington, D. C., has recommended to Congress that provision be made to add two stories to the post-office building and court-house in New York City, at an estimated cost of $659,000.

NEW YORK, N. Y.—George B. Wilson, Pennsylvania Bldg., Philadelphia, has plans for the erection of a 20-story hotel, to be built on the corner of Broadway and 33d St. The new structure will adjoin the Hotel Martinique. Its cost will be $2,000,000. The proposed hotel, which will occupy a frontage of 118 ft. on Broadway and 97 ft. on 33d St., is to be of fireproof construction. In the basement will be located the kitchen and bar. On the first floor is to be the main exchange, elaborate in design. The second floor is set apart for the great banquet hall and private dining rooms. There will be five elevators, operated by the plunger system. In design the hotel is to be French renaissance. Granite will be the material used in construction up to the fifth floor, above which point there will be terra cotta. On the corners of the building are to be great brackets for illuminating purposes. The corners are to be surmounted with towers, the domes of which will be of cream-colored glazed terra cotta.

NEW YORK, N. Y.—Bids are asked until 3 p. m., March 21, by the Park Board for work and material for the installation of plumbing and drainage apparatus in the New York Public Library, Astor, Lenox and Tilden foundations, Fifth Ave., 40th and 42d Sts. Moses Herrman is Pres. Park Board.

ALBANY, N. Y.—The Assembly has passed a bill appropriating $362,500 for erection of a new State Hospital.

SCHENECTADY, N. Y.—We are officially advised that the HUDSON VALLEY CONSTRUCTION CO., Times Bldg., Troy, N. Y., has been awarded the general construction contract for a Japan storage building, to be erected at the General Electric Works, Schenectady. The building will be about 50 × 150 ft. It will be built of brick, concrete and steel, and will be absolutely fireproof. Operations will be begun at once.

NEW PALTZ, N. Y.—The following bids were received by Dr. Andrew S. Draper, Comr. of Education, Albany, N. Y., on Feb. 9, for construction of a State Normal School building at New Paltz, N. Y., the work including heating, plumbing, electric light wiring and fixtures and gas-piping; bids being made on the following propositions: (1) To construct entire building, with fireproof construction, heating, electric work and gas-piping, but not fixtures; also plumbing inside building and to points five feet beyond outside walls. (2) Add to No. 1 for porte cochere at main entrance. (3) To construct entire building with ordinary floor and roof construction where specified; heating, also electric work and gas-piping, not including fixtures; also plumbing inside building and to points five feet beyond outside walls. (4) To furnish and install excretal sewer line, storm water drainage system and water supply piping from points five feet beyond outside wall. (5) To furnish and install the combination electric and gas fixtures: Feeney & Sheehan, Albany, (1) $176,500, (2) $2,600, (3) $162,700, 700 days; Hudson Valley Construction Co., Troy, N. Y., (1) $174,400, (2) $2,400, (3) $159,400, 630 days; M. Stipp Construction Co., Scranton, Pa., (1) $161,449, (2) $2,000, (3) $148,849, (4) $2,000, (5) $2,300, 400 days; Morris Kantrowitz, 78 State St., Albany, N. Y., (1) $158,000, (2) $1,800.50, (3) $139,000, (4) $5,500, (5) $2,800, 300 days; Peter Keeler Building Company, 468 Orange St., Albany, N. Y., (1) $172,000, (2) $1,900, (3) $157,900, (4) $4,900, (5) $2,350, 350 days; James E. Leamy, Syracuse, N. Y., (1) $196,475, (2) $4,000, (3) $183,436, (4) $6,300, (5) $2,400, 500 days; Campbell & Dempsey, Kingston, N. Y., (1) $227,000, (2) $2,000, (3) $208,484, (4) $5,000, (5) $3,000, 500 days. George L. Heins is State Arch., Capitol, Albany, N. Y.

TRENTON, N. J.—Bids are asked until March 1, by the City Building Commission, for competitive designs for the proposed city hall. Four prizes are offered. Appropriation, $300,000. Ferdinand W. Roebling, 137 East State St., is Chn.

PHILADELPHIA, PA.—It is reported that plans have been prepared and estimates are being received for an 8-story store and office building to be erected for the Denckla estate at Eleventh and Market Sts., at a cost of about $300,000.

A business building will be erected at 914 Walnut St., by Mershon Bros. Plans provide for 10-story building, 24 × 142 ft. It will be built of brick, stone and iron, fireproof, and will have steam heating, electric lighting, elevators, and all modern appliances. Approximate cost, $120,000. Work will be started soon.

PHILADELPHIA, PA.—Plans have been completed by Horace Trumbauer, Land Title Bldg., Philadelphia, for a Y. M. C. A. building, to be erected at 1417 Arch St. The building will cost $500,000. The plans call for a 6-story stone and brick structure, with a frontage on Arch St. of 98.4 ft. and a depth of 170.4 ft., extending to Appletree St. The street forms an L with Burns St. at the west side of the lot and a wing for the engine and boiler rooms and the boys' department will extend along Burns St. It will measure 36.5 × 114.2 ft. The entrance will be through a stone-arched door, with stone columns on either side into a large hall. On each side, of the doorway will be the offices of the secretary and the executive departments. To the left of the hall will be the stairs ascending about the two elevator shafts. In the rear will be the main gymnasium, and billiard, reception and lounging rooms, as well as handball courts. The basement will contain a swimming pool somewhat larger than 50 × 100 ft., locker rooms, a Turkish bath establishment and lunch rooms. The basement of the annex will accommodate the engineering, heating and lighting departments, while the upper stories will be devoted to the boys' department. On the second floor will be a concert hall to seat about 1,000 persons, and a library providing for accommodation of 100,000 volumes. A skating rink will be constructed on the roof. As soon as the estimates are completed the Building Committee, composed of the following, will award the contract: John W. Pepper, Chn.; Arthur E. Newbold, William R. Nicholson, Joseph M. Steele and William M. Longstreth.

WASHINGTON, D. C.—Bids are asked until noon, April 3, at the office of the Superintendent of U. S. Capitol Building and Grounds, Washington, for furnishing all plumbing fixtures for the House of Representatives office building. (Advertised, Engineering News.)

WASHINGTON, D. C.—Bids were opened Feb. 4 at the office of Capt. John Stephen Sewell, Constr. Engr. of the U. S. Soldiers' Home, Washington, D. C., for the structural steel, granite, brick, terra-cotta and reinforced concrete work for the mess hall building at the Soldiers' Home. Bids were received, as follows: (a) Cramp & Co., Commonwealth Bldg., Philadelphia; (b) Brennan Construction Co., 3056 K St., N. W., Washington; (c) William Newman, Colorado Bldg., Washington; (d) Pavarini & Wyne, Munsey Bldg., Washington; (e) National Fireproof Co., Colorado Bldg., Washington. Construction work, complete: (a) $168,000; (b) $168,000. Setting structural steel, complete, including field painting, (c) $13.25. Doing the reinforced concrete and hollow tile work of the first floor, (b) 44 cts. per sq. ft.; (d) 33 cts.; (e) 35 cts. Setting granite, complete, (a) 40 cts. per cu. ft. Common brickwork, complete, (b) $5.72 per cu. yd.; (d) $4.72. Face brickwork, complete, (b) $16 per cu. yd.; (d) $12.50. Enameled brickwork, complete, (b) $26 per cu. yd.; (d) $15. Two fireplaces, (b) $100 each; (d)

RAILWAYS.

The names of parties awarded contracts are printed in capital letters.

ATLANTIC NORTHERN & SOUTHERN.—This company proposes to build a railroad from Manning, south via Atlantic to Villisca, Iowa, about 70 miles. Subscriptions exceeding $100,000 have been raised at Atlantic, Elkhorn and Kimballton. The headquarters of the company are at Atlantic, Iowa. The officers are: Pres., J. A. McWaid; Vice-Pres., F. M. Nebee; Secy., James Stiers; Treas., E. E. Marquis. Survey will be begun at once and construction is expected to be started before summer.

CENTRAL & SOUTHEASTERN. — This company, which has projected a line from Chanute, Kan., to Memphis, Tenn., 425 miles, and from the smelters at Chanute to zinc mines in Southwest Missouri, has surveys made from Chanute to the Missouri-Arkansas state line. Right-of-way has been secured in Kansas. Ten miles of grading has been done, and a number of bridges built. A. N. Hoxie is Pres., Joplin, Mo.; F. S. Hoxie, Secy., 273 Fifth Ave., New York.

CHICAGO, ROCK ISLAND & PACIFIC.—According to press reports, B. F. Yoakum, Chn. of the Rock Island System, is quoted as saying that construction on the proposed Galveston terminal tracks is to begin immediately, and they are to be completed by July. J. B. Berry is Ch. Engr. at Chicago. Michael Sweeney, Pres. of the Galveston Terminal Railway Co., states that there has nothing definite been decided on yet relative to the development of the terminals.

CHICAGO, ST. PAUL, MINNEAPOLIS & OMAHA.—The contract for building an extension from New Castle, Neb., to Wynot, about 18½ miles, has been awarded to WINSTON BROS. CO., Globe Bldg., of Minneapolis, Minn., and grading has been commenced. C. W. Johnson is Ch. Engr., St. Paul, Minn.

CHOCTAW, NEWCASTLE & WESTERN.—This company has been chartered in Oklahoma, with capital of $5,000,000, to build a railway from Lawton, via Ada and Pauls Valley to McAlester, Ind. T.; also for a belt line around McAlester connecting Newcastle and Krebs; total length of line 200 miles and estimated cost $4,000,000. The incorporators are J. R. Lebosquet, of Little Rock, Ark.; L. C. Rose and A. W. Underwood, of Chicago, Ill.; S. T. Pierson and W. P. Dix, of Shawnee, Okla.

CLEVELAND SHORT LINE.—This company will build a belt line around the city of Cleveland, Ohio, 18 miles in length, extending from Collinwood to Rockport. The line is now under construction from Rockport east to the city of Cleveland, about ten miles, and five miles have been graded and three miles of track laid. Contracts will be let soon for the remaining eight miles to Collinwood. The contractor for the grading on the first ten miles is JOHN MARSCH, of Cleveland; and DUNN & KEITH, of Cleveland, have the contract for the masonry. Maximum grade 0.3 per cent.; maximum curvature, 3°; weight of rail, 80 lbs. M. A. Fanning is Pres.; B. F. Hopkins, Secy., and W. R. Hopkins, Treas., all of Cleveland. B. F. Hopkins is in charge of construction.

FORT WORTH & DENVER CITY.—Frank Trumbull, Pres., is reported as saying that $600,000 will be spent for improvements this year, including the building of additional side tracks, ballasting, etc. R. C. Gowdy is Resident Engr. at Fort Worth, Tex.

GLENVILLE & KANAWHA.—It is officially announced that the stockholders have authorized an issue of $600,000 of 5% 30-year bonds. The following officers have been elected: Pres., Lloyd Rinehart, of Weston, W. Va.; Vice-Pres. and Genl. Mgr., Robert L. Ruddell, Glenville, W. Va.; Secy. and Treas., C. M. Bennett, also of Glenville, which is the headquarters of the company.

GRANK TRUNK PACIFIC.—Semi-official announcement has been made to the effect that the contract for the construction of the Grand Trunk Pacific R. R., between Winnipeg, Man., and Portage la Prairie, Man., a distance of 58 miles, has been let to the McDONALD-McMILLAN CO., which has the contract for building the line from here to the Touchwood Hills. This firm will sublet the work as much as possible, it is said.

INTERCOLONIAL.—Contracts have been given to WILLARD KITCHEN, of Fredericton, N. B., for building the Colton Factory Branch from Richmond, N. S., to Kempt Road, Halifax, a little over two miles. Grading is to be started during April.

JAMES BAY (Canadian Northern).—We are officially informed that grading is 90% completed on remaining section of this line between Parry Sound and Sudbury, Ont., 148 miles. The line is now constructed and in operation between Toronto and Parry Sound, 119 miles. The first 90 miles are earthwork and balance rock. T. H. White is Ch. Engr., Toronto, Ont. Surveys are made and right-of-way obtained.

KANSAS CITY TERMINAL.—Stockholders' meeting will be held on March 23 to vote on the proposition to increase the capital stock from $30,000,000 to $50,000,000. This is the company that is to build the new union depot. John M. Egan is Pres. and C. C. Ripley is Secy.

KENTUCKY MIDLAND.—M. M. Wheeler, Ch. Engr., Central City, Ky., advises us that A. B. WOOD, Cottage Grove, Ore., has contract for building this road between Central City and Madisonville, a distance of 25 miles, of which 7½ miles are nearing completion. Surveys are made and right-of-way is secured for eleven miles. Capital is obtained. There will be one tunnel; general construction work will be light. G. B. Hengen, Pres. of the Midland Coal Co., Monadnock Block, Chicago, is Pres.

MANILA & SOUTHWESTERN.—William M. Kerr, Ch. Engr., Jonesboro, Ark., advises us that on account of extremely high water all work has been abandoned for the present. The road is in operation from Herman (formerly Culberhouse) to Lunsford, Ark., 5½ miles. The railway will extend from Herman to Manila, 27 miles. Surveys are made and capital and right-of-way are obtained. F. W. Taylor is Pres., Lunsford, Ark. Noted on Jan. 24.

NEBRASKA, KANSAS & SOUTHWESTERN.—Incorporated in Kansas to build a railway from Superior, Neb., south through the counties of Jewell, Smith, Phillips, Rooks, Ellis, Trego and Ness, in Kansas. In Ness County the line will divide, one branch going south through Hodgeman, Ford, and Meade or Clark Counties and on to Dalhart, Tex. The other branch will go southwest through Hodgeman, Gray, Haskell, Grant, to a point on the state line in Morton or Stanton Counties. The section from Stockton to Ness City, Kan., about 80 miles, is to be built first. F. T. Burnham, of Beloit, Kan., the promoter, states the company has the backing of Eastern capitalists. Capital stock, $1,500,000. Directors: E. J. Williams, Stockton; John Q. Adams, Stockton; Chas. J. Shellenberger, Ransom; A. S. Foulks, Ness City, and J. C. Hopper, Ness City.

OROVILLE & NELSON.—We are officially advised that E. E. Calvin is Pres. and William Hood is Ch. Engr., both at San Francisco. Noted on Jan. 31. Surveys have not been made or right-of-way obtained. Mr. Calvin is Vice-Pres. and Gen. Mgr., and Mr. Hood is Ch. Engr. of the Southern Pacific Co.

PITTSBURG, BINGHAMTON & EASTERN.—The Pittsburg "Press" states that bids will be received in May for construction of the section of this line between Binghamton, N. Y., and Clearfield, Pa. H. A. Schwanecke, Canton, Pa., is Ch. Engr.

RANDOLPH & CUMBERLAND.—The second extension of this railway toward Deep River is now ready for the contractors. A steel bridge, 300 ft. long, will be used at the river. W. C. Cram, Jr., is Ch. Engr., Hallison, N. C.

ST. LOUIS, BARTLESVILLE & PACIFIC.—We are officially advised that F. M. Overlees is Pres. of this company and D. H. Rhodes is Ch. Engr., at Bartlesville, Ind. T. Details were given last week.

ST. MARY'S & WESTERN ONTARIO.—Bids addressed to J. G. Macklin, Ch. Engr. of the St. Mary's & Western Ontario R. R., St. Mary's, Ont., will be received until 1 p. m., Feb. 20, for clearing right-of-way, grading, tracklaying, bridging, ballasting, fencing and for telegraph lines complete, for the section of the road lying between St. Mary's and Embro, Ont. Rails, ties and fastenings will be supplied by the company. J. W. Graham, Secy.

TENNESSEE COAL FIELDS & SOUTH ATLANTIC TRANSCONTINENTAL RAILWAY.—A bill is before the North Carolina Legislature to incorporate this company to build a railway from Konxville, Tenn., via Waynesville, N. C., to Greenville, S. C., and from Waynesville to Asheville and Rutherfordton, N. C. Capital stock, $11,000,000. Theodore S. Davidson, of Asheville, N. C., and S. A. Jones, of Waynesville, N. C., are two of the projectors.

ELECTRIC RAILWAYS.

The names of parties awarded contracts are printed in capital letters.

ITHACA, N. Y.—The Ithaca & Seneca Falls Interurban R. R. Co., recently incorporated, and noted on Jan. 31, will build and operate an electric road 52½ miles long in Tompkins, Seneca and Schuyler Counties, from Ithaca to Seneca Falls, with branches from Willard to Ovid and from Trumansburg to Mecklenburg. The capital is $1,000,000, and the directors are: J. N. Hammond; T. J. Cary, of Seneca Falls; Jacob Rothschild, of Ithaca.

NEWARK, N. J.—Thomas N. McCarter, Pres. of the Public Service Corporation, which controls the State Line Traction Co., has stated, according to press reports, that the latter company has procured right-of-way for a trolley line five miles long from Hawthorne, near Paterson, to the state line, and which will nearly parallel the Erie Railroad. It has not been decided when the work of construction of the new electric line will be started.

SUNBURY, PA.—A charter has been granted to the Sunbury & Trevorton Electric Railway Co. to build a line from Sunbury to Plum Creek, a distance of 2½ miles. Capital, $15,000. Monroe H. Kulp, Shamokin, Pa., is Pres. Mr. Kulp is also Pres. of the Shamokin & Edgewood St. Ry. Co.

SCRANTON, PA.—According to the Philadelphia "Public Ledger," J. J. Sullivan, Pres. of the Scranton Ry. Co., has stated that this company plans to spend $1,000,000 for improvements, which will include additional cars, reconstruction of the power house, a new car barn, machine shops and Mulberry St. viaduct. A. S. Kibbe is Ch. Engr., 1321 Walnut St., Philadelphia.

SCHWENKVILLE, PA.—The directors of the newly-organized Perkiomen Valley Traction Co. have elected these officers: I. H. Bardman, Schwenkville, Pres.; Samuel Hughes, Zieglerville, Vice-Pres.; I. H. Smoyer, Green Lane, Secy.; George Dunn, Graters Ford, Treas.

McKEESPORT, PA.—The Pittsburg Railways Co. may build a line between McKeesport and Elizabeth, via Glassport, next spring. The company will build a bridge over the Monongahela River at Glassport. F. Uhlenhaut, Jr., 435 Sixth Ave., Pittsburg, is Ch. Engr.

PENNSBURG, PA.—The Lederachsville & Pennsburg Electric Railway Co. has been incorporated. George Hoeger, of Norristown, is Pres. The directors are: George Hoeger; William S. Lambert, of Reading; William C. Riffert, of Dauphin; Michael A. Kelley, of Pittston, and John F. Lederach, of Lederachsville. Mr. Hoeger is Gen. Mgr. and Supt. of the Schuylkill Valley Traction Co., at Norristown, Pa. The road will be built on private right-of-way except through the towns it passes.

READING, PA.—The Twelfth & Thirteenth Streets Electric Railway Co., of Reading, capital stock $30,000, has been incorporated to build five miles of line on these streets, connecting with the lines of the Reading City Passenger Railway Co., whose officers hold a controlling interest in the new company. The directors of the new company are: Walter A. Rigg, Pres.; J. Milton Miller, Harry H. Riegel, Alvin Dunlap, James White.

TRYON, N. C.—Todd Russell, Gen. Mgr., states that the Tryon Electric Light, Water & Power Co. is now being organized. Among other things will build a trolley road about two miles long. G. Hamilton Holmes is Ch. Engr.

CHARLOTTE, N. C.—An electric railway may be built connecting Charlotte with Mint Hill, Helms' Store, Unionville and other points. Among those interested are: J. C. Long, W. S. Long, J. T. Helms, W. G. Long, T. L. A. Helms, A A. Secrest, D A. Henderson, Dr. D. E. Arnold, William Estridge and L. S. Griffin, all of Goose Creek township. A company is to be organized at Helms' Store (not a post-office) on Feb. 16.

ASHEVILLE, N. C.—We are officially advised that the Asheville Rapid Transit Co. has granted contract to the RAILWAYS CONSTRUCTION & SECURITIES CO., 141 Broadway, New York, for building its line from the center of city of Asheville to Overlook Park, about eight miles. Surveys are made. Right-of-way and capital are obtained. J. K. Voschell is Pres., Baltimore, Md. Charles E. Van Bibber is Ch. Engr., 60 Wall St., New York.

AMERICUS, GA.—City will vote on March 20 at a city election upon the franchise for a street railway, water-pumping and lighting service, granted by the City Council to the Leroy Davidson Co., of New York.

TAMPA, FLA.—Samuel Borchardt, representing the Peninsular Railway, has applied to the City Council for a 30-year franchise. An electric railway is to be built from Tampa to Bartow and the East Coast.

DECATUR, ALA.—The North Alabama Traction Co. has decided to increase its capital to $300,000 and to make extensions and improvements. W. R. Hall is Gen. Mgr. and John F. Knowlen is Ch. Engr., both at New Decatur, Ala.

HATTIESBURG, MISS.—Bids are asked until 3 p. m., Feb. 14, for building a street railway for the Hattiesburg Traction Co. H. A. Camp, Pres.; A. F. Thomasson, Secy. Edward J. O'Beirne, 821 Empire Bldg., Atlanta, Ga., is Engr.

PADUCAH, KY.—H. H. Loving, Secy. and Treas., 104 Fraternity Bldg., states that the Paducah Southern Electric Railroad Co. has filed articles of incorporation to build a line 75 miles long from Paducah to Hickman, Ky., via Mayfield and Fulton, Ky., and Union City, Tenn. The company is negotiating with the Milwaukee Engineering Co. and also with Henry Rohwer, of St. Louis, concerning the necessary surveys. Date for opening construction bids is not yet fixed. W. A. Martin is Pres.; H. H. Loving, Secy. and Treas., both of Paducah. Directors are the officers and E. W. Whittemore, of Paducah; George Rush, of Brookport, Ill., and D. R. Archer, of Chicago.

MANSFIELD, OHIO.—The stockholders of the Wooster & Mansfield Electric Railway Co., at Mansfield, recently elected the following directors: Samuel Kinsey, Pres., Pittsburg, Pa.; David Collier, Vice-Pres., Plimpton, Ohio; J. L. Barr, Secy., Mansfield; B. L. Chase, Treas., Hayesville; Charles Brumfield, Mansfield; M. M. Van Nest, Wooster; D. H. Graven, Londonville; R. H. Critchfield, Shreve. Work will commence as soon as the weather permits.

LIGONIER, IND.—The Wawasee, Ligonier, Topeka & Lagrange Railway Co. has been incorporated, with a capital stock of $50,000, to construct an interurban railway to connect Ligonier, Lagrange, Topeka, Cromwell, Kimmell and Wewasee. The company also declares its purpose to sell light and power to the towns and cities along the line. F. H. Green, F. E. Weir, S. M. Dowell, B. B. Johnson, F. J. Dunton and J. N. Babcock constitute the Board of Directors.

NEGAUNEE, MICH.—The Lake Superior Construction Co. is reported to have secured right-of-way for a new interurban line from Negaunee to Marquette, a distance of 18 miles, and will ask the cities of Negaunee and Marquette for franchises. J. W. Barber is Secy.

CHICAGO, ILL.—The traction ordinances were passed by the Chicago City Council on Feb. 5. This action by the Council means that the traction question, which has been before the people for ten years, is definitely settled, or that it will have to be taken up anew. The result of the election in April, when the ordinances are to be submitted to a referendum vote, will settle this question. No matter what may be the result of the April election, according to the promises of the traction companies, service is to be improved at once.

LINCOLN, NEB.—Charles H. Cox, Ch. Engr. of the Citizens' Ry. Co., advises us that company will build seven miles of extensions by day work. Alex. Berger is Pres. Surveys are made and right-of-way secured.

THERMOPOLIS, WYO.—The Thermopolis & Hot Springs Street Railway Co. has been incorporated to construct a railroad in Fremont and Big Horn Counties. The capital stock is $50,000. The incorporators are: Howard Jenkins, C. C. Weddle, George Pardee, Paul Berg and A. C. Frisby. George Pardee is agent in charge.

CANON CITY, COLO.—The City Council has awarded a franchise to Frank D. Heath and associates, granting right-of-way for constructing and operating an electric railway in Canon City to the top of the Royal Gorge, and to the City Park, recently set aside by act of Congress for the benefit of Canon City. About twelve miles of road will be constructed to the Royal Gorge Park and ten miles within the city. The enterprise will entail an outlay of approximately $400,000. The franchise runs for [illegible] years and calls for completion of the r[illegible] by Jan. 1, 1908.

TACOMA, WASH.—The Pug[illegible]ound Electric Co., we are officially [illegible]rmed, will build an 18-mile line from T[illegible] to Orting, via Puyallup and Sumn[illegible] There will be four combination bridges. [illegible] has just been started at Puyallup. Th[illegible]pany will do most of the construction [illegible] with its own forces, but some gradin[illegible] be done by contract. Surveys are m[illegible] and right-of-way partly secured. W. M[illegible]sworth is Ch. Engr., Tacoma.

YAKIMA, WASH.—We ar[illegible]ially informed that the Yakima Inte[illegible]ey Traction Co. has completed survey[illegible] 30 miles of road. Construction will [illegible]tarted at once. This company is in the [illegible]et for all classes of equipment. E. M. [illegible]y is Ch. Engr.

SEATTLE, WASH.—The City [illegible]uncil has passed the ordinance granted [illegible] the Shore Line Electric Railway Co., of [illegible]ch Merle Wightman and C. E. Muckler [illegible] promoters, a franchise for the mai[illegible]nance and operation of a street railway [illegible]n Fourth Ave., this city.

SPOKANE, WASH.—T. A. [illegible], representing Frederick Elmendorf, [illegible] Spokane, has filed an application with [illegible] County Commissioners for a franchise [illegible] an electric railway over county roads.

MONTEREY, CAL.—The Pa[illegible] Railroad & Steamship Co. has been orga[illegible]d for the purpose of building a railroad from Watsonville, in Santa Cruz County, to [illegible] point on the Bay of Monterey, 1½ miles north of Camp Goodell, the total length of the proposed road being five miles. The company is incorporated with capital of $250,000. The directors are: Marshal A. Frank and Samuel Rosenheim, of San Francisco, and F. W. Voogt, of Alameda.

CALGARY, ALTA.—The City Council has decided to build a municipal street railway system twelve miles long, with equipment of 12 cars. W. F. Thorold is City Engr.

LIGHT AND POWER PLANTS.

The names of parties awarded contracts are printed in capital letters.

BELFAST, ME.—It is reported that the Belfast Gas & Electric Co. will make extensive repairs and additions to its plant. A water wheel of about 200-HP. capacity will be installed in April, and a new boiler has been ordered. The company owns the water privilege of Hiram Dale's Falls, a short distance above the present plant, and is intending to develop it. A new generator for the station is also being negotiated for. Claude B. Roberts is Supt.

AUGUSTA, ME.—We are officially advised that the UNITED GAS IMPROVEMENT CO., Broad and Arch Sts., Philadelphia, Pa., has contract to install plant for the Kennebec Light & Heat Co. DAVIS & FARNUM will furnish the holder, and the NORTH TUFTS METER CO. will supply meter. W. H. Williams is Supt.

PORTSMOUTH, N. H.—Plans and specifications are being prepared by the Bureau of Yards and Docks, Navy Dept., Washington, for one 1,000-KW. direct-current generator, direct connected to reciprocating engine, with a speed of not more than 100 r. p. m., or to a steam turbine having a speed of not more than 1,500 r. p. m., for the Navy Yard, Portsmouth, N. H. The estimated cost of the work, which will take ten months, is $45,000.

CENTRAL FALLS, R. I.—The Bryan-Marsh Co., Fulton and Greenwich Sts., New York, N. Y., will erect an incandescent plant at Central Falls at a cost of about $150,000. The power plant will have a capacity of 1,000 HP.

NEW YORK, N. Y.—We are officially informed that the TROY PUBLIC WORKS CO., 1154 St. Nicholas Ave., have general contract for constructing a distributing station for the New York Edison Co., 55 Duane St., New York. The building will be 100 × 40 ft., and of fireproof reinforced concrete and steel construction. The rotary floor will be 38 ft. high, and the battery, or second floor, will be 15 ft. high. This floor will have a capacity of 600 lbs. to the sq. ft. Provision has been made for building another battery floor above the one mentioned, to have an equal capacity. It is not probable that this floor will be constructed until about two years. The estimated cost of the building is $100,000, and of the equipment $200,000. The New York Edison Co. is Arch.

NEW YORK, N. Y.—Bids are asked until 11 a. m., Feb. 25, by C. B. J. Snyder, Supt. of School Bldgs., for installing electric equipment in new Public School No. 68, on the north side of Bergen Ave., between Rathjen Ave. and Henry St., Evergreen, Boro. of Queens; also for installing electric equipment in new Public School No. 150 on Christopher Ave. and Sackman St., about 100 ft. south of Belmont Ave., Boro. of Brooklyn.

BUFFALO, N. Y.—The Committee on Lamps has recommended that the time when proposals for lighting the streets and public buildings with gas, for a term of five years, from March 1, 1907, shall be received, shall be fixed until 11 a. m., Feb. 26. Thomas W. Kennedy is Deputy Street Comr.

GARWOOD, N. J.—See under Manufacturing Plants.

HUNTINGTON, PA.—We are officially advised that the Juniata Hydro Electric Co., of Huntington, Pa., has let the contract for building Dam No. 2 to the AMBURSEN HYDRAULIC CONSTRUCTION CO., 179 Federal St., Boston, Mass., which is also just finishing their Dam No. 1, three miles above Huntingdon, on the Juniata River. Dam No. 2 is 30 ft. high above foundations in the rollway, and measures 500 ft. at the crest from shore to shore. It includes a power-house incorporated with the dam. William L. Church is Pres. of the construction company.

$92 each. Setting all terra cotta above first floor, (b) $17,451; (d) $34,900; (e) $27,228.

NORFOLK, VA.—Bids are asked until March 1, for constructing a Naval Y. M. C. A. building at Norfolk, which will be eight stories high, 104 × 120 ft., fireproof. Estimated cost, $300,000. L. E. Jallard, 96 Fifth Ave., New York, N. Y., is Arch.

CHAPEL HILL, N. C.—Frank P. Milburn & Co., Archs., Washington, D. C., are preparing plans for a new infirmary for the University of North Carolina, Francis P. Venable, Pres. Bids will be called for as soon as plans are finished.

ATLANTA, GA.—It is reported that R. H. Hunt, Eighth and Broad Sts., Chattanooga, Tenn., has been engaged as architect for the 6-story auditorium which Dr. Leonard G. Broughton, 15 Simpson St., proposes erecting as an institutional church. The building is to be of gray granite, pressed brick or concrete, and will cost about $500,000.

A building permit has been granted the Atlanta Compress Co. for the erection of a concrete warehouse, at a cost of $100,000. C. C. Hanson is Pres. The contract has been awarded to the OLIVER CONSTRUCTION CO., of Knoxville, Tenn. The foundations have already been finished, and if the contract is carried out, the entire building will be completed by June 1. The dimensions of the warehouse are 506 × 218 ft., and it will be two stories in height. H. B. Johnson, of Atlanta, is the Consult. Engr.

BIRMINGHAM, ALA.—The Birmingham Terminal Co. has authorized an issue of $3,000,000 of bonds for the new passenger terminal station. Half the amount will be used for construction now under way and the rest for future use.

ALEXANDRIA, LA.—It is reported that the F. B. HULL CONSTRUCTION CO., of Jackson, Miss., has secured the contract to erect a $300,000 hotel.

NASHVILLE, TENN.—Preliminary plans are being made for the proposed $200,000 Y. M. C. A. building. It will be March or April before plans are definitely approved. William S. Frost is Gen. Secy.

INDIANAPOLIS, IND.—Plans for a Y. M. C. A. building for Indianapolis are being completed. In the basement there will be bowling alleys, a swimming-pool, baths, lockers, barber shop, boiler and engine-room. On the first floor will be offices, social rooms, dining and lunch rooms, kitchen and gymnasium. On the mezzanine floor will be a running track, private exercise room, club room, etc. On the second floor will be an auditorium to seat 800 to 1,000 persons, handball courts, club rooms, amusement rooms and three dormitory rooms. The fourth floor will provide nine educational classrooms, four shop classrooms for wood and metal work, and 20 dormitory rooms. The fifth and sixth floors will provide 114 apartment rooms for young men, twelve rooms with private bath, toilet-rooms, etc.

LANSING, MICH.—An addition is to be built to the State Capitol, to cost $550,000. The addition which it is proposed to erect will have four stories and basement. It will be lower than the present building. The stonework will match exactly that of the present structure. There will be 106 rooms in the addition and 26 in that part of the old building which is to be remodeled. The addition will be 1,300 ft. long and 146½ ft. wide. It will stand 30 ft. back from the main building with which it will be connected by corridors. The basement and first floor will contain offices, and on the second floor there will be a court room. The State Library will occupy the third floor and the State Historical Society will have a historical museum on the fourth floor. E. E. Myers, 732 Second Ave., Detroit, is Arch.

CHICAGO, ILL.—We are officially advised that plans for theater on Madison St., running through to Green St., Chicago, can now be seen at the office of Francis M. Barton, 169 Jackson Boulevard, Chicago, or at the office of Dodge & Morrison, Archs., 82 Wall St., New York. The plans and specifications include a fireproof building, excavating, concrete footings, brick walls, sub-surface drains, white glazed terra-cotta front, terra-cotta coping, reinforced concrete floor construction, cement and composition floors, water proofing and damp proofing, cement and terra-cotta partitions, marble work, artificial marble wainscot and columns, metal lathing and plastering, fireproof window frames, composition roofing, galvanized iron roof, copper marquise, gutter and leaders, painting, plumbing, steam heating, sprinkler work, electric wiring steel frame brass rails, etc.

CHICAGO, ILL.—Egan & Prindiville, Archs., 85 Dearborn St., are preparing plans for a hospital addition, at 26th St. and Calumet Ave. for the Mercy Hospital. To be 4-story, 80 × 150 ft., built of press brick, with stone trimmings, composition roof, fireproof, tile, plate glass, oak and birch finish, maple and oak floors, combination light fixtures and nickel plumbing. Estimated cost, $250,000.

CARTHAGE, ILL.—J. E. Mills, Arch., has been employed by the Board of Supervisors of Hancock County to prepare plans for the proposed $125,000 court-house. James W. Westfall is Clerk.

ST. LOUIS, MO.—According to the St. Louis "Post Dispatch," the plans for the coliseum and group of commercial buildings which are to be constructed at corner of Washington and Jefferson Aves., are now complete and probably will begin to take form in the course of a month. In its general plan the new Coliseum will follow the design and arrangement of the old one, now being wrecked, the chief difference being in the disposal of the seats, the addition of a movable stage and the inclusion of a swimming pool in connection with the racing courses and arena. The theater is to have a main entrance on Washington Ave. The hotel will face Jefferson Ave., the main entrance being about midway between Locust St. and Washington Ave. It will contain 115 rooms. There will be 24 stores facing on Locust St., Jefferson Ave. and Washington Ave. The Coliseum will have a general entrance on Washington Ave., an entrance for vehicles and horses on Locust St. and an exit from the west side into a private alley, running half the length of the block south of Washington Ave.

ST. LOUIS, MO.—Barnett, Haynes & Barnett, Archs., Frisco Bldg., are preparing plans and will take bids in the spring for a Roman Catholic Cathedral, 212 × 400 ft., to be erected at Lindell Boulevard and Newstead Ave. Granite or stone, plate glass, hard plaster, marble and tile work, electric light fixtures, nickel plumbing, etc., will be used. Estimated cost, $1,000,000. The Rev. John Joseph Glennon, 3810 Lindell Boulevard, is Archbishop of the Diocese of St. Louis.

The National Bank of Commerce will begin construction of a banking building in May. The structure will be 16 stories high, and it will front a whole block on Broadway, from Olive to Pine Sts. The building and ground, exclusive of special decorations in the main banking-room, will cost about $6,000,000. Plans for the building have been drawn by Mauran, Russell & Garden, 1620 Chemical Bldg. The building will be constructed of steel and gray granite. At the eleventh story there will be a bronze balcony, extending along the front and sides of the building. The mansard roof probably will be of tile. The main entrance, at the center of the block on Broadway, will be 55 ft. wide and 30 ft. high. It will extend back to the alley. From Olive to Pine Sts. a corridor 14 ft. wide will run through the rear of the building. The elevators, eleven in all, will be ranged along this corridor, at the end of the passage, 55 ft. wide, from the main entrance.

KANSAS CITY, MO.—It is reported that J. W. McKecknie, New York Life Bldg., is preparing plans for a 9-story warehouse and office building, 160 × 174 ft., for the Gloyd Lumber Co., to be erected at 20th St. and Campbell Ave. Brick, steel and reinforced concrete, nickel plumbing, hard plaster, combination light fixtures will be used. Estimated cost, $400,000.

Plans are being prepared by Lee & Smith, Archs., 515 Main St., for a 2-story flat building, 50 × 100 ft., for Mrs. S. Talumia, Fourth and Locust Sts. The building will be constructed of brick, with nickel plumbing, composition roof, hard plaster, combination light fixtures, etc., and will cost $150,000.

OKLAHOMA, OKLA.—It is reported that plans are being prepared for the $300,000 depot which is to be erected here by the Frisco-Rock Island systems. J. B. Berry, Ch. Engr., Chicago, Rock Island & Pacific Ry. Co., Chicago, Ill.

TEMPLE, TEX.—The contract for all construction work on the employees' hospital for the Atchison, Topeka & Santa Fe Ry. Co. has been awarded to H. D. McCOY, of Cleburne. The main building is to cost approximately $100,000. Construction will begin at once. The building committee is composed of Dr. A. C. Scott and Frank Campbell, of Temple, and O. Sauereman, of Cleburne. Sanguinet & Co., of Fort Worth, Dallas and Houston, are Archs.

TACOMA, WASH.—It is reported that Peter Sandberg is having plans prepared for a 10-story steel and concrete business building, to be erected at 15th St. and Pacific Ave., at a cost of about $250,000.

SEATTLE, WASH.—Spear & Co., of Seattle, have prepared plans for a 6-story hotel, which it is proposed erecting at Terry Ave. and Madison St., at a cost of $265,000. Sam Rosenberg is Owner.

SEATTLE, WASH.—Plans have been prepared by Graham & Meyers, Globe Block, for a 4-story apartment house, to be erected on East Union St., between 13th and 14th Aves., By Meacham & Vansant. Estimated cost, $200,000.

SAN FRANCISCO, CAL.—A new Class A office building, to be known as the Maskey Building, is to be erected on Kearny St., between Post and Market Sts., on the site of the old Maskey candy store. This building will be constructed at a cost of $170,000, and will occupy a space 66 × 100 ft. There will be six stories and a basement. It is to be built on the French Renaissance style of architecture. The first and second stories are to be finished in cast-iron, ornamental copper-plated. The floors above will be finished in light cream, flat, glazed terra-cotta. The floors will be of reinforced concrete, with curtain walls of brick. The first floor of the building will be divided into three storerooms, one of which will be occupied by the Maskey Candy Co. This company will occupy the top floor also. The remaining four floors will be divided into offices, 16 offices to a floor. These offices will be finished in hardwood, with fireproof partitions. The architects, Havens & Toepke, expect to have the building completed early next fall. Work will be begun on it some time in March.

OGDEN, UTAH.—Bids are asked until 3 p. m., Feb. 27, by James Knox Taylor, Superv. Arch., Washington, D. C., for an electric passenger elevator in the U. S. post-office and court-house at Ogden.

TORONTO, ONT.—The Canadian Pacific Ry. Co. and Grand Trunk Ry. System have come to an agreement regarding the proposed union depot here. The plans call for a structure to cost $2,000,000. James Oborne is Gen. Supt. C. P. R. Toronto, Ont.

Extensive improvements are to be made to St. Albans Cathedral here during the coming spring and summer. The work will cost upwards of $250,000.

The Andrew Darling Co. will erect a 9-story fireproof brick and stone and reinforced concrete building, 112 × 97 ft., at a cost of $155,000. Staircases and elevators will be encased and the heating plant will be outside the building.

EDMONTON, ALTA.—We are officially advised that contract for the supply of the heating apparatus required for the immigration building at Edmonton, has been awarded to the STANDARD PLUMBING & HEATING CO., LTD., of Edmonton. Fred Gelinas is Secy. Dept. Pub. Works, Ottawa, Ont.

EDMONTON, ALTA.—CHARLES MAY, of Edmonton, has been awarded the contract to construct the new post-office building, at $240,000.

It is reported that the following buildings will be built here during the present year: Windsor Hotel, estimated cost, $150,000; court-house, $100,000; registry office, $50,000; Y. M. C. A., $55,000; fire hall, $20,000; public school, $25,000; meat-packing plant, $500,000; brewery, $250,000; Gurnsey warehouse, $150,000; capitol buildings, $3,500,000; hospital, $65,000; Grand Trunk Pacific Ry. Co. station, shops and yards, $9,000,000. P. P. Kelly is City Engr.

WATER SUPPLY—IRRIGATION.

MILLDALE, CONN.—It is reported that the Quinnipiac Power Co. has been incorporated by Homer A. Curtis, of Meriden; Clifford W. Leavenworth, of Wallingford; C. E. Jennings, of South Norwalk, and associates. The company will construct a storage reservoir at Milldale.

AUBURN, N. Y.—It is reported that the Water Commission on Jan. 30 awarded to C. P. MILLER & SON, of Utica, contract for furnishing pipe as follows: 8 and 12-in. pipe, $33.10 per ton, and 6-in. pipe, $34.10, f. o. b., Auburn; 4,000 ft. of 12-in. pipe and 2,000 ft. of 6-in., to be furnished before April 1. J. Lewis Grant is Supt. Water-Works. J. Walter Ackerman is City Engr.

BUFFALO, N. Y.—We are officially advised that bids were received Jan. 22, by the Department of Public Works, for the construction and erection of one vertical turbine type of pump capable of delivering not less than 25,000,000 gallons of water in 24 hours into the city mains against a total head of approximately 200 ft., as follows: Camden Iron Works, Camden, N. J., $30,400; Buffalo Steam Pump Co., 490 Broadway, Buffalo, $33,234; Snow Steam Pump Works, Snow & Roesser Aves., Buffalo, $36,500; and Allis-Chalmers Co., Milwaukee, Wis., $39,350. Francis G. Word is Comr. Dept. Pub. Wks.

NEW YORK, N. Y.—Bids are asked by John H. O'Brien, Comr. Water Supply, Gas and Electricity, until Feb. 15, for furnishing and delivering pipe, pipe fittings, valves, boiler tubes, etc.

Bids are asked until Feb. 20 for furnishing material and excavating pipe trenches on Seventh Ave., between 136th and 149th Sts., Borough of Manhattan. Bids also are asked at the same time for furnishing and delivering stopcocks, hydrants, hydrant heads, etc.

YONKERS, N. Y.—Bids are asked until 8 p. m., March 7, by the Board of Water Commissioners, Yonkers, for erecting a chimney, 110 ft. high and with a 5-ft. diameter. John J. Devitt is Pres. (Advertised, Engineering News.)

NEW YORK, N. Y.—See under Streets and Roads.

YONKERS, N. Y.—We are officially advised that the Robert White Engine Works, 126 Liberty St., New York, was lowest bidder for furnishing and erecting boiler plant, at $6,320. R. D. Wood & Co. was lowest bidder for furnishing and delivering c.-i. pipe, at $34.95 per ton. Bids received Feb. 7. John J. Devitt is Pres. Bd. of Water Comrs.

PATCHOGUE (L. I.), N. Y.—It is reported that the Water Co. will improve its plant. Estimated cost, $25,000. David A. Boody is Pres.

TRENTON, N. J.—The Board of Water Commissioners is considering constructing new reservoir and installing new pump and steel standpipe. C. C. Haven is City Engr.

ASBURY PARK, N. J.—Bids are asked until noon, Feb. 23, by J. L. Coffin, Supt. Dept. Water and Sewers, 711 Asbury Ave., for supplying ten fire hydrants. (Advertised, Engineering News.)

PHILADELPHIA, PA.—Bids are asked by Lieut.-Col. F. G. Hodgson until 11 a. m., Feb. 25, for constructing an 18,000-gallon water tank, shelter and connections on roof of No. 3 Building at Depot Quartermaster's Office, 26th St. and Gray's Ferry Road, Philadelphia.

Bids were received Feb. 5 by the Department of Public Works for installing eight boilers at Lardner's Point Pumping Station No. 3, as follows: Atlas Engine Works, Indianapolis, Ind., $64,847 to $68,697; Franklin Boiler Works Co., 39 Cortlandt St., New York, $78,300 to $81,760; Babcock & Wilcox Co., 85 Liberty St., New York, N. Y., $83,183 to $87,443; Edgemoor Iron Works, $69,400 to $73,400; Heine Safety Boiler Co., 15th and Chestnut Sts., Philadelphia, Pa., $76,229 to $77,346; E. Keller Co., Williamsport Pa., $72,618 to $77,213. Cassius E. Gillette is Ch. Engr., Bureau of Filtration.

WILMINGTON, DEL.—The Board of Water Commissioners on Jan. 28 awarded to R. D. WOOD & CO., 400 Chestnut St., Philadelphia, Pa., contract for furnishing 10,000 ft. of 8-in. pipe, 1,000 ft. of 6-in. pipe, 200 ft. of 4-in. and 100 ft. of 3-in., at $33.40 per ton, and specials at 3½ cts. per lb. Theodore A. Leisen is Ch. Engr., Water Dept.

WASHINGTON, D. C.—The District Comrs. have awarded to the LYNCHBURG FOUNDRY CO., of Lynchburg, Va., contract for furnishing water pipe, as follows: 2-in., $40.35 per ton; 4-in., $38.85; 6-in., $37.80; 12-in., $37.30.

FORT MONROE, VA.—Bids are asked by Capt. R. H. C. Kelton, Q.-M., until noon, Mar. 7, for extending the water distributing system at Fort Monroe.

JACKSONVILLE, FLA.—We are officially advised that bids were received Feb. 4, by Department of Water-Works, for installing two water-tube boilers of 500 HP. each, as follows: Harrisburg Mfg. & Boiler Co., Harrisburg, Pa., $15,554; J. G. Christopher Co., Jacksonville, Fla., $15,849; BABCOCK & WILCOX CO., 85 Liberty St., New York, two bids, Altman & Taylor type, $15,679 (awarded contract), and Babcock & Wilcox type, $15,765; and the Edgemoor Iron Co., Edgemoor, Del., $14,575.

COSTODIS CONSTRUCTIO[illegible] Ga., was awarded contract [illegible] radial brick chimney at t[illegible] plant, at $5,544. Chimney [illegible] 125 ft. high, and 10 ft. in [illegible] B. N. Ellis is Supt. Elec. [illegible] Water-Works.

NEW ORLEANS, LA.—W[illegible] advised that bids were rec[illegible] by the Sewerage and Water [illegible] G. Earl, Gen. Supt., for ha[illegible] approximately 50 miles of [illegible] pipe, from 4 to 42 ins. [illegible] aggregating about 13,000 to[illegible] nishing six lots of cast-iron [illegible] castings, aggregating appr[illegible] tons of pipe and 1,100 ton[illegible] ings. Pipe will be in sizes f[illegible] Bids to be considered upon [illegible] arately, or upon the first tw[illegible] lots together or upon all lot[illegible] bid of the low bidder in ea[illegible] nishing cast-iron pipe and [illegible] and for hauling and laying pi[illegible] the CAMDEN IRON WORK[illegible] N. J., and the GENERAL [illegible] CO., of Atlanta, Ga., was [illegible] special meeting of the Boa[illegible] Before contract is finally aw[illegible] the action of the Board in [illegible] bids must be formally appro[illegible] Council. The bidders were a[illegible] hauling—General Contracting [illegible] Irwin Bros., New Orleans, [illegible] McCarthy, Dayton, Ohio, $2,7[illegible]

For six lots of cast-iron [illegible] Camden Iron Works, Camde[illegible] American Cast-Iron Pipe Co. [illegible] Ala.; (3) Southern Exporting [illegible] leans, La.; (4) The Dimmick [illegible] mingham, Ala.; (5) U. S. Cas[illegible] Foundry Co., Chattanooga, Ten[illegible] (1) $222,339, (2) $229,896, [illegible] Lot "B", (1) $222,563, (3) $236,269, [illegible] "C", (1) $169,519, (3) $185,64[illegible] (1) $283,213, (3) $313,810, (4) $311,910, [illegible] "E", (1) $254,462, (3) $279,70[illegible] (1) $131,043, (3) $144,023, [illegible] Lots "A" and "B", (1) $442,5[illegible] 607, (5) $454,125. Lots "C", [illegible] "F", (1) $830,693, (3) $923,122, [illegible] Lots "A", "B", "C", "D", "E" and "F", (1) $1,315,284, (3) $1,393,659, [illegible] Itemized prices may be seen under Contract Prices in this issue.

JONESBORO, TENN.—Bids are asked by the Water Committee for constructing pumps, standpipe and water-works complete. H. C. Beauchamp is Chn. Water Com. J. R. Russell is City Recorder.

MEMPHIS, TENN.—The Commissioners of the Memphis Artesian Water Department will erect an auxiliary plant. Cost, $100,000. Wirt Wills is Chn.

CELINA, OHIO.—The city has passed an ordinance for laying water mains. Martin Sutz is City Engr.

LAFAYETTE, IND.—J. F. Alexander & Son, Archs., of Lafayette, are preparing plans for constructing the proposed water-works at the County Asylum. Estimated cost, $10,000.

TRAVERSE CITY, MICH.—It is reported that the city water mains in various streets will be extended. W. R. Caldwell is City Engr.

CHICAGO, ILL.—It is reported that new bids will soon be asked for constructing marine section of southwest tunnel. Estimated cost, $1,000,000. William L. O'Connell is Comr. Dept. Pub. Wks.

Bids are asked by William L. O'Connell, Comr. Dept. Pub. Wks., for furnishing and installing six steam purifiers and piping in boiler room of Chicago Ave. pumping station.

CHICAGO, ILL.—See under Light and Power Plants.

SPARTA, WIS.—Bids are asked by J. W. Leverich, Chn. of Com., Sparta, Wis., until 2 p. m., Feb. 19, for construction of water system for Monroe County Asylum for the Insane, consisting of a 50,000-gallon steel tank, on 90-ft. steel tower, with deep well pump, pump house building, 10-HP. electric motor, all cast-iron, pipe, etc.

CRESTON, IOWA.—The water mains in various streets will be extended.

HASTINGS, MINN.—Bids are asked by the City Council until Feb. 25, for furnishing materials and constructing water mains and sewers in Tyler, Ramsey, Vermillion, Second, Seventh and Eighth Sts. Charles Hankes is City Clk.

WAKONDA, S. DAK.—The city is considering constructing municipal water-works.

CARRINGTON, N. DAK.—It is reported that Loweth & Wolf, of St. Paul, Minn., are preparing plans for constructing water tower and tank.

GREAT FALLS, MONT.—Bids are asked by the United States Reclamation Service until 2 p. m., April 3, for constructing twelve miles of main canal, 67 miles of laterals, and 17 miles of waste water ditches near Great Falls, Mont. The works consist approximately of 481,000 cu. yds. of excavation, 1,200 cu. yds. of concrete, 900 cu. yds. of paving and riprap, 20,000 B. M. of lumber, placing 182,000 lbs. of steel, and furnishing such other material and performing such work as may be necessary for completing the work. (Advertised, Engineering News.)

PLEASANT HILL, MO.—It is reported that a new water-works system will be installed. Estimated cost, $100,000.

ST. LOUIS, MO.—James A. Smith, City Archt., is preparing plans for constructing engine house and boiler house for the Water-Works Department. Cost, $100,000 each. Plans are also being prepared for constructing purification building for Water-Works Department, and an engine house for the city. Cost, $20,000.

OSCEOLA, ARK.—The city has issued bonds of $40,000 for constructing new water-works.

TEMPLE, TEX.—The city will construct new water-works. Estimated cost, $125,000.

ATOKA, [illegible] T.—The city will lay new water mai[illegible] various streets.

LEADVI[illegible] COLO.—The MITCHELL ENGINE[illegible] & CONSTRUCTION CO., Grand Ju[illegible] Colo., has been awarded contract [illegible]structing about 19 miles of pipe line [illegible]ty water-works, at $263,000.

GRAND [illegible]TION, COLO.—It is reported that the [illegible] will install water-works system.

SEATTL[illegible]ASH.—The Lake Creek Water Co. has [illegible] incorporated at $500,000 by Henry An[illegible]on and associates.

CALIFO[illegible] CITY POINT (Tiburon post-office), CA[illegible]—Bids are asked by the Bureau of Supplie[illegible] and Accounts, Navy Department, Wa[illegible]ton, D. C., until 3 a. m., Mar. 19, for [illegible]ructing fresh-water pumping plant at th[illegible]val coal depot, California City Point, Cal[illegible] B. Rogers, Paym.-Gen., U. S. N., Washi[illegible]n, D. C.

ROSEVI[illegible], CAL.—W. G. HEMPHILL, of this ci[illegible] has been awarded contract for constructi[illegible]ew water-works.

SAN BE[illegible]ARDINO, CAL.—The GEORGE M. COOLEY [illegible] CO., of this city, has been awarded [illegible]ct to lay water mains in the new 40-ac[illegible]tract of land added to the city. M. L. Cook is County Surv.

SANTA [illegible]SA, CAL.—Bids are asked by the City Council until 5 p. m., Feb. 19, for repairing city reservoir. C. D. Clawson is City Clk.

PROVID[illegible]CE, UTAH.—The Providence Water-Wo[illegible] Co. has been incorporated at $5,000. The company will install and conduct water-works system in this city. The officers are: Godfrey Furriman, Pres.; Jacob Gessel, Vice-Pres.; William R. Zollinger, Sec[illegible]; Ferdinand Zollinger, Treas., and Carl Gossel, Director.

BERLIN, ONT.—Bids are asked by Herbert J Bowman, C. E., Berlin, Ont., until Feb. 21, [illegible]r furnishing about 12,000 ft. of c.-i. pipe and special castings for the Elmira Water-Works.

SEWERAGE.

The names of parties awarded contracts are printed in capital letters.

WATERBURY, VT.—Bids will soon be asked by the Board of Trustees for constructing sewer system. Estimated cost, $35,000.

NEW BEDFORD, MASS.—It is reported that the city will construct sewers. William F. Williams is City Engr.

LAWRENCE, MASS.—It is reported that a trunk sewer will be constructed on east side of Prospect Hill. A. D. Marble is City Engr.

BUFFALO, N. Y.—The City Council has ordered constructing 10-in. sewer in Mohican Ave. Francis G. Ward is Comr. Pub. Wks.

BROOKLYN, N. Y.—Bids are asked by Bird S. Coler, Pres. Boro. of Brooklyn, until 11 a. m., Feb. 27, for constructing sewer in Grand St. (as extended), from South Fourth to Hooper Sts., and reconstructing the outlet for Kent Ave. sewer at Division Ave.

TRENTON, N. J.—Bids are asked by the Common Council until 8 p. m., Feb. 19, for constructing sewer, with house connections to curb lines on each side of street, in Girard Ave., from Cortland St. to St. Joes Ave., to connect with sewer No. 253. Harry B. Salter is City Clk. C. C. Haven is City Engr.

NORRISTOWN, PA.—We are officially advised that BERGLAUS & MOFFITT, Harrisburg, Pa., have been awarded contract for constructing sewers in De Kalb and Beach Sts. The work consists of 2,914 lin. ft. of 8-in. sewer, complete, with manholes. S. Cameron Corson is Boro. Engr.

SAYRE, PA.—Bids are asked by H. H. Mercereau, Boro. Clk., until 7.30 p. m., Mar. 12, for constructing trunk line sewer, including all labor and material. The work consists of approximately 4,400 lin. ft. of 24-in., 1,000 ft. 20-in., and 560 ft. 18-in. pipe. (Advertised, Engineering News.)

CROWLEY, LA.—Bids are asked for constructing five miles of sewers. Shelby Taylor is Mayor.

HAMMOND, LA.—It is reported that a new sewerage system will be constructed. James B. Adams is Town Clk.

KNOXVILLE, TENN.—Bids will soon be asked by the Board of Public Works for constructing sewers during the present year. W. C. Crozer is City Engr.

SHELBYVILLE, KY.—Plans for constructing new sewers are being prepared by C. E. Collins, of Philadelphia, Pa.

DAYTON, OHIO.—Bids have been received by the Board of Public Service for constructing sewers in South Rex, East Tuscarawas and East Lake Sts. from John Skeeles and the Natural Gas Supply Co. W. F. Miller is Clk. Bd. Pub. Service. Robert E. Kline is City Engr.

WILLOUGHBY, OHIO.—Bids are asked by C. C. Jenkins, Village Clk., until noon, Mar. 4, for constructing Center St. storm sewer.

RAVENNA, OHIO.—Bids are asked by E. W. Marvin, Village Clk., until noon, Feb. 28, for furnishing and delivering all materials, except sewer pipe and fittings, and constructing 10½ miles of 8 to 18-in. pipe sewers, with manholes, flush tanks, c.-i. culverts and siphon pipes, etc.

MUNCIE, IND.—The Board of Works has instructed John A. Potter, City Engr., to prepare plans for construction of sanitary sewers in various streets.

YPSILANTI, MICH.—A petition has been presented for constructing sanitary sewer in Summit St.

JOLIET, ILL.—The Board of Local Improvements is considering constructing a drainage district with concrete trunk sewer to drain sewers in First, Seventh and Sixth Wards. Estimated cost, $100,000. Hubert A. Stevens is City Engr.

BLOOMINGTON, ILL.—It is reported that a new 12-in. pipe sewer will be constructed in Moulton St. Elmer Folsom is City Engr.

OSHKOSH, WIS.—New relief sewers are to be constructed in various streets. George H. Randall is City Engr.

RACINE, WIS.—HARDING & NELSON and HANS C. HANSEN, of this city, have been awarded contracts for constructing sewers. P. H. Connolly is City Engr.

DES MOINES, IOWA.—J. C. LIKES, Des Moines, has been awarded contract for constructing 30-in. vitrified clay pipe sewer from center of Ninth and Thompson Sts. to a junction with the east side intercepting sewer in Pennsylvania Ave., a distance of 1,364 lin. ft., at $3.07 per lin. ft. Total bid, $4,187. George D. Dobson is City Engr.

WATERLOO, IOWA.—C. T. Wilson, City Engr., has been directed to prepare plans for constructing new sewer system in East Waterloo.

MINNEAPOLIS, MINN.—Contracts have been awarded as follows for materials for water-works, paving, sewers, etc. Bids were received on Jan. 25. List of bids in detail was given in last week's issue, under Contract Prices: Sewer material: 2,000,000 sewer brick; contract awarded to the WISCONSIN RED PRESSED BRICK CO., Minneapolis, at $9.40, delivered on line of work. Natural cement: 5,000 bbls.; contract awarded to the MENOMONIE HYDRAULIC PRESSED BRICK CO., Minneapolis, 60 cts. per bbl.; sacks not returned, 10 cts. each. Portland cement: 5,000 bbls.; contract awarded to the MENOMONIE HYDRAULIC PRESSED BRICK CO., Minneapolis, $1.70 per bbl.; sacks not returned, 7½ cts. each.

Special castings: 200 tons; contract awarded to the NORTHWESTERN FOUNDRY CO., $55 per ton (2,000 lbs.). Vitrified clay pipe: RED WING SEWER PIPE CO., Red Wing, Minn.; 6-in. pipe, per ft., 10½ cts.; 9-in. pipe, 17¼ cts.; 12-in., 31 cts.; 15-in., 43 cts.; 18-in., 62 cts.; 24-in., $1.25; 6 × 9 Y's, each, 70 cts.; 6 × 12 Y's, $1.55; 6 × 15 Y's, $2.15; 6 × 18 Y's, $3.10; 6 × 24 Y's, $5; 12 curves, each $1.35; 15 curves, $1.90; 18 curves, $2.75; 24 curves, $4.16; 6-in. slants, 32 cts.

Water-works valves: (A) 145 6-in., (B) ten 8-in., (C) eight 12-in., (D) six 16-in., (E) four 20-in., 3-in. by-pass, (F) two 24-in., 6-in. by-pass, (G) two 24-in. flanged, 6-in. by-pass. Contract awarded to J. B. CLOW & SONS, Chicago, Ill., Minneapolis specifications: (A) $14.40, (B) $22.44, (C) $41.40, (D) $90.00, (E) $154.60, (F) $271.00, (G) $278.50.

Paving and curb materials; cedar blocks (10,000 sq. yds., f. o. b.): NORTHERN TIE & TIMBER CO., Minneapolis, at 59½ cts. Crushed granite: Contract awarded to the NEW ULM STONE CO., New Ulm, Minn., for 2,000 cu. yds., f. o. b., at $2.24 per cu. yd. of 2,600 lbs. Granite curb: 5-in. × 20-in., 5,000 lin. ft., f. o. b.; contract awarded to the NORTHWESTERN GRANITE CO., St. Cloud, Minn., straight 62 cts.; radius, 72 cts. Vitrified paving blocks: 40,000 sq. yds., f. o. b.; contract awarded to the PURINGTON PAVING BRICK CO., Galesburg, Ill.; 96.8 cts. per sq. yd. Creosoted blocks: 40,000 sq. yds., f. o. b.; contract awarded to the REPUBLIC CREOSOTING CO., Indianapolis, Ind.; Norway or Tamarac 4-in. block, $1.79 per sq. yd. Sandstone paving blocks: 40,000 sq. yds., f. o. b.; contract awarded to the KETTLE RIVER QUARRIES CO., Minneapolis, $1.55 per sq. yd. Sandstone curb: 10,000 lin. ft., f. o. b.; (A) 5 × 18 straight, (B) 5 × 18 radius, (C) 5 × 20 straight, (D) 5 × 20 radius, (E) 6 × 20 straight, (F) 6 × 20 radius. Contract awarded to the BARBER ASPHALT CO., Minneapolis, (A) 52 cts., (B) 62 cts., (C) 54 cts., (D) 64 cts., (E) 64 cts., (F) 74 cts. Portland cement: 15,000 bbls., f. o. b.; contract awarded to the MENOMONIE HYDRAULIC PRESSED BRICK CO., Minneapolis, Minn., $1.70 per bbl.; sacks not returned, 7½ cts. Ellis R. Dutton is Asst. City Engr.

EMPORIA, KAN.—Bids are asked by G. A. Matthewson, City Clk., until Feb. 18 for constructing the sewer extension from Eighth Ave. to Commercial St.

WICHITA, KAN.—Bids are asked by R. N. Dorr, City Clk., until 5 p. m., Feb. 18, for construction of Wichita storm water sewer No. 5. Estimated cost, $318,000. A. Brown is City Engr.

ABERDEEN, S. DAK.—Bids are asked by F. W. Raymond, City Audr., until 8 p. m., Mar. 11, for construction of 600,000-gallon septic tank of reinforced concrete. D. C. Washburn is City Engr.

CAPE GIRARDEAU, MO.—We are officially advised that WALTER COONAN, of East St. Louis, Ill., has been awarded contract for constructing twelve miles of 8 to 24-in. pipe sewers in Dist. No. 1, at $58,968. Granbery Jackson, C. E., at Nashville, Tenn., is Consult. Engr. George E. Chappell is City Clk.

LOS ANGELES, CAL.—Bids have been received by the Board of Public Works for constructing vitrified pipe sewer in East Sixth St. from Boyle Ave. to Los Angeles River, with branches extending in streets and alleys on the north side as far as First St. Six bids were received. B. Derania was lowest bidder at $21,611. Homer Hamlin is City Engr.

OAKLAND, CAL.—Bids are asked by the Board of Public Works until Feb. 20 for constructing sewers in various streets. Walter B. Fawcett is Secy. Bd. Pub. Wks. F. C. Turner is City Engr.

RENO, NEV.—It is reported that the Southern Pacific Co. will construct new sewer system at its shops in this city. F. C. Keim, at Sparks, Nev., is Asst. Div. M. M.

GARBAGE DISPOSAL.

The names of parties awarded contracts are printed in capital letters.

BROOKLYN, N. Y.—Bids are asked by Bird S. Coler, Pres. Boro. of Brooklyn, until 11 a. m., Feb. 27, for furnishing and delivering lime, cement, brick and other building material to the various disposal works.

CLEVELAND, OHIO.—The City Council on Jan. 28 passed an ordinance appropriating $13,500 for purchasnig dump cars for the garbage plant.

ZANESVILLE, OHIO.—The contract for constructing garbage disposal plant has been awarded to the DE CARIE MFG. CO., Minneapolis, Minn., at $18,950. Bids were also received from the Morse-Boulger Destructor Co., 39 Cortland St., New York; Lewis & Eitchen, Chicago, and the Dixon Garbage Crematory Co., Toledo, Ohio. E. H. Smith is City Engr.

ST. LOUIS, MO.—Bids are asked until noon, Feb. 15, by the Board of Public Improvements, for sprinkling city streets for term of one year from Feb. 1, 1907, to Feb. 1,1908, as follows: Letting No. 8500, estimated number of miles of streets to be sprinkled, 10.30 miles; No. 8510, 7.91 miles; No. 8511, 9.70 miles; No. 8512, 7.44 miles; No. 8513, 9.53 miles; No. 8514, 6.60 miles; No. 8515, 7.38 miles; No. 8516, 7.09 miles; No. 8517, 6.22 miles; No. 8518, 7.00 miles; No. 8519, 9.52 miles; No. 8520, 7.06 miles; No. 8521, 7.24 miles; No. 8522, 6.69 miles; No. 8523, 6.52 miles; No. 8524, 8.11 miles; No. 8525, 9.91 miles; No. 8526, 9.54 miles; No. 8527, 9.02 miles; No. 8528, 8.35 miles and No. 8529, 9.50 miles. Separate bid must be submitted for each letting. A. J. O'Reilly is Pres. Bd. Pub. Impvts.

STREETS AND ROADS.

The names of parties awarded contracts are printed in capital letters.

BOSTON, MASS.—Bids were received Feb. 5 by the Massachusetts Highway Commission for constructing state highways in (a) Palmer, (b) Templeton and (c) Dudley, and contracts awarded as follows: (a) W. N. FLINT GRANITE CO., $6,405; (b) ANTONIO DEPPLITE, $5,481, and (c) R. F. HUDSON, $4,936.

FREDONIA, N. Y.—Bids will soon be asked for repaving Central Ave., from Temple St. to the city line. James P. Morrisey is City Engr.

ALBANY, N. Y.—Bids are asked by the Board of Contract and Supply, until 3 p. m., Feb. 18, for the improvement of Ontario St., from north line of Central Ave. to south line of Livingston Ave. The work includes grading, curbing and paving carriageway with vitrified paving blocks, repairing and laying sidewalks with flags and vitrified bricks, building receiving basins and laying vitrified pipe sewers under the sidewalks. Isidore Wachsman is Clk. Bd. of Contract and Supply.

The Board of Contract and Supply has awarded to MULDERRY BROS., Albany, contract for improving Teunis St., from Second Ave. to Third Ave., for $5,829. The contract for paving South Lansing St. has been awarded to T. HENRY DUMARY, Albany, for $10,400. Walter Melius is City Engr.

JOHNSTOWN, N. Y.—Bids are asked by Frank Bogaskie, City Clk., until Feb. 18, for paving with asphalt blocks and setting curbs, etc., on North Market St. The work consists of 6,733 sq. yds. asphalt block paving, 3,142 lin. ft. stone curb and 489 lin. ft. stone headers, etc.

MAMARONECK, N. Y.—Bids are asked by the Board of Trustees until 8.30 p. m., Feb. 25, for paving with brick portions of Boston Post Road and Mamaroneck Ave., in this village. The work consists of constructing approximately 40,000 sq. yds. of vitrified brick pavement, 14,000 lin. ft. of curbing and drainage system. Daniel Warren is Pres. Board of Trustees. Bids also are asked for furnishing approximately 40,000 sq. yds. of vitrified paving brick. .Advertised, Engineering News.)

NEW YORK, N. Y.—Bids are asked by John H. O'Brien, Comr. Water Supply, Gas and Electricity, until 2 p. m., Feb. 20, for (a) furnishing labor and materials and excavating pipe trenches on Seventh Ave., between 136th and 149th Sts.; (b) furnishing and delivering stopcocks, hydrants, hydrant heads, wooden hydrant boxes, drinking troughs and c.-i. hydrant fenders; (c) furnishing materials, repairing and restoring artificial stone sidewalks and curbing and resetting natural stone curbing.

Bids are asked by George Cromwell, Pres. Borough of Richmond, until noon, Feb. 26, for grading, regulating, etc., various streets in Borough of Richmond.

McKEESPORT, PA.—Bids are asked by Douthitt & Robbins, of this city, until Feb. 27, for grading and paving various streets.

NORTH BRADDOCK (Braddock post-office), PA.—We are officially advised that McCrady Bros., Braddock, Pa., were lowest bidders, at $13,296, for improving Ridge Ave. Bids were also received from J. H. Van Meter & Co. and D. J. Marliyan & Co., of Swissvale, Pa., at $13,537 and $14,044, respectively. The work consists of 2,100 lin. ft. of vitrified paving brick, 24 ft. wide on 6-in. broken stone, 3-in. gravel, 2-in. sand and 4-in. brick foundation. C. A. Stewart is Borough Engr., Braddock, Pa.

ANNAPOLIS, MD.—Bids are asked until noon, March 4, for macadamizing. The work consists approximately of 6,500 cu. yds. of excavation; 11,000 sq. yds. macadam, 400 lin. ft. new granite curb, 2,000 lin. ft. new cement curb, and resetting 4,600 lin. ft. of old curb. Philip E. Porter is City Clk.

WASHINGTON, D. C.—Bids are asked by District Commissioners until 2 p. m., Feb. 15, for furnishing 4,000 cu. yds. of paving and concrete sand, 600 cu. yds. of building sand and 2,000 cu. yds. of screened gravel. Deliveries to commence by March 15, and be completed July 1.

ATLANTA, GA.—Bids are asked until Feb. 18, for furnishing and setting granite curbs, concrete curbs, tile sidewalks, sheet cement sidewalks, manhole and catch basin covers for sewers, furnishing vitrified pipe and constructing sewers that may be authorized by the Mayor and General Council during the present year. Separate bids will be considered on each item called for. R. M. Clayton is City Engr.

JACKSONVILLE, FLA.—The H. WALTER FULLER CO., of St. Petersburg, Va., has been awarded contract for various streets. Philip Prioleau is City Engr.

GADSDEN, ALA.—Bids are asked until Feb. 16, for paving Broad St., from Third to Sixth Sts., with brick.

NEW ORLEANS, LA.—Bids are asked by Charles R. Kennedy, City Comptroller, until 1 p. m., Feb. 18, for repaving with small granite block Dryades St., from Tulane Ave. to Lafayette St., and for laying sub-surface drains, culverts, curbs and gutter bottoms and sidewalk pavements in Dryades St., from Tulane Ave. to Lafayette St. W. J. Hardee is City Engr.

The HASSAM PAVING CO., Worcester, Mass., has been awarded contract for paving in various streets.

LIMA, OHIO.—Bids are now being received for paving North Main and South Pine Sts. The contract for paving Elizabeth St. will be awarded by property owners. D. W. Linson is Street Supt.

STRUTHERS, OHIO.—Bids are asked for constructing sidewalks on various streets.

WOOSTER, O.—Bids are asked by Samuel Huston, State Highway Comr., at Columbus, until March 5, for constructing highway at Wooster.

BERLIN CENTER, OHIO.—Bids are asked by the County Commissioners at Youngstown, Ohio, until noon, Feb. 18, for grading and macadamizing 1.14 miles of road in Berlin Center. Samuel Huston is State Highway Comr.

YOUNGSTOWN, OHIO.—Bids are asked by the Board of Public Service until noon, Feb. 21, for furnishing necessary labor and materials for paving East Front and Canal Sts. G. T. Prosser is Clk. Bd. Pub. Service.

BLUFFTON, IND.—Bids are asked by City Council until 7.30 p. m., Feb. 22, for construction of cement sidewalks on Tribolet St., and cement combined curbs and sidewalks on Liberty and Dougherty Sts. Frank S. Smith, City Clk.

FT. WAYNE, IND.—The Board of Works has instructed F. Randall, City Engr., to prepare plans and specifications for paving portions of Gay, Union, Barthold and Dock Sts.

FRANKLIN, IND.—Otis B. Sellers, City Engr., is preparing estimates for paving portions of West Jefferson St.

MISHAWAKA, IND.—It is reported that the city will pave various streets. William S. Moore is City Engr.

PRINCETON, IND.—We are officially advised that bids were received Feb. 8 for constructing eleven miles of gravel roads in Center Township. All bids were rejected and new bids are asked until 2 p. m., March 8. Estimated cost, $32,673. Harry R. Embree is County Audr.

TERRE HAUTE, IND.—The Board of Public Works on Feb. 6 awarded contract for paving North Sixth St. from Cherry St. to Lafayette Ave., to ROBERTS & CO., at $21,280. The work consists of paving with vitrified paving brick and constructing cement and stone curbing. Edgar Schmidt is City Engr.

FREEPORT, ILL.—M. FORD, of Cedar Rapids, Iowa, has been awarded contract for paving various city streets. G. W. Graham is City Engr.

JOLIET, ILL.—It is reported that Morgan St. will be paved and improved. Hubert A. Stevens is City Engr.

DE PERE, WIS.—It is reported that North Broadway will be paved.

TWO RIVERS, WIS.—Bids are asked by Board of Public Works until March 7 for improving about 1,918 ft. of William St.

IOWA CITY, IOWA.—Bids are asked by the Trustees of Cedar Township until noon, Feb. 16, for roadwork in Cedar Township during the present year. Stephen McCook is Clk.

OKLAHOMA CITY, OKLA.—The BARBER ASPHALT CO. has been awarded contract for paving East Eighth and East Fifth Sts. with sheet asphalt on 6-in. Portland cement concrete base at $2.15 per sq. yd. for paving; 80 cts. per lin. ft. for curb; 20 cts. per lin. ft. to reset curb; vitrified pipe, 60 and 87 cts. per lin. ft.; catch basins, each $35; manholes, each $46; excavating, 30 cts. per cu. yd.; total, $50,112. W. C. Burke is City Engr.

DENVER, COLO.—The Board of Public Works has decided to improve the streets in North Denver. Estimated cost, $113,000. The cost of grading and constructing sidewalks will average $1.97 per lin. ft. The new district is bounded by 35th and 39th Sts. and by Boulevard F and Perry St. John B. Hunter is City Engr.

SEATTLE, WASH.—The Seattle Paving & Construction Co., of Seattle, has been incorporated at $250,000 by R. J. Huston and associates.

EUGENE, ORE.—It is reported that the city will pave various streets.

SALEM, ORE.—Bids are asked by James Knox Taylor, Superv. Arch., Treasury Dept., Washington, D. C., until 3 p. m., March 15, for constructing approaches and improving grounds at U. S. Post-Office, Salem, Ore.

MODESTO, CAL.—It is reported that various streets will be paved with asphalt. A. L. Finney is County Surv.

PALMS, CAL.—The business streets will be paved.

MANUFACTURING PLANTS.

The names of parties awarded contracts are printed in capital letters.

WOONSOCKET, R. I.—The Montrose Woolen Co., of Woonsocket, which now leases quarters, is contemplating erecting a mill. The company recently purchased a lot of land on East School St., and when the new mill is built it will be erected on this site. Jacob H. Hary is Pres. and Supt. and Aram J. Pothier is Secy. and Treas.

MIDDLETOWN, CONN.—The Hubbard Motor Co., Center St., Middletown, manufacturers of gasoline engines, is having plans drawn for a 1-story factory building, 50 × 100 ft.

HARTFORD, CONN.—The P. & F. Corbin Co., manufacturer of hardware, has sad plans drawn for an addition to its cabinet lock department. The plans call for a concrete structure, two stories and basement. 28 × 77 ft., with an ell, 30 × 34 ft.

PLAINVILLE, CONN.—The contract has been awarded to the TORRINGTON BUILDING CO., Elm St., New Britain, Conn., to erect a new factory building for the Trumbull Electric Co., of Plainville. It will be 50 × 106 ft., four stories high, and will be of mill construction. The plans were drawn by M. J. Unkelbach, 162 Main St., New Britain.

NEW YORK, N. Y.—Plans have been filed for a $150,000 chemical factory to be erected by G. Siegel & Co., of Stuttgart, Germany, on the Lazzari property, at Rosebank, Staten Island. The structure will be built of concrete and will be three stories high.

MATTEAWAN, N. Y.—We are officially advised that the BERLIN CONSTRUCTION CO., Berlin, Conn., has secured a contract for building an extension to the fan shop of the Green Fuel Economizer Co., at Matteawan.

GARWOOD, N. J.—It is reported that the Hall Signal Co. intends making extensive improvements to its factory, at an expenditure of about $1,000,000, which will include, besides the equipping of the plant with electrical machinery, building a power-house for the purpose of supplying power to the machines in the different buildings.

BAYONNE, N. J.—The H. F. Taintor Mfg. Co., 200 Water St., New York, N. Y., has awarded contract to JOHN W. FERGUSON CO., Paterson, N. J., for main factory building, 357 × 125 ft., two storehouses, 210 × 125 and 60 × 90 ft., and a power-house, capable of developing 200 HP. at Bayonne. Fred. S. Hinds, 19 Milk St., Boston, Mass., is Arch. and Engr.

AVIS, PA.—Plans are being prepared by the New York Central & Hudson River R. R. Co., for constructing yards and repair shops here, which will cost about $1,000,000. G. W. Kittredge, New York, is Ch. Engr.

TITUSVILLE, PA.—P. M. Hesch & Son, Parker & Colley Bldg., have prepared plans for a foundry building, 75 × 103 ft., and a core-house, 26 × 105 ft., for the American Radiator Co. Both buildings will be built of brick with composition roofs. Bids for construction will be received about March 1. Estimated cost, $11,000.

WAMPUM, PA.—It is reported that the Crescent Portland Cement Co., of Wampum, will erect an addition in Big Beaver Township. The power plant will have a capacity of 3,000 HP. Plans have not yet been completed and no contracts have been let.

COLLEGEVILLE, PA.—Plans are being prepared by J. V. Poley, 162 Second Ave., Royersford, Pa., for a 3-story canning factory 31 × 175 ft. for F. J. Clamer, who will receive bids for construction.

INDIANHEAD, MD.—Bids are asked at the Bureau of Supplies and Accounts, Navy Dept., Washington, D. C., until Feb. 26, for the delivery and erection of a refrigerating plant of 16 tons capacity per day at the Naval Proving Grounds, Indianhead, Md. E. B. Rogers is Paymaster Gen., Washington.

NORFOLK, VA.—It is reported that E. L. MYERS has been awarded the contract by the Greenleaf Johnson Lumber Co. for the construction of six dry kilns, to take the place of those recently destroyed by fire. The construction will be of reinforced concrete, fireproof in every detail. Kilns will be 110 ft. long, 19 ft. high, with 19-ft. roof span. Cost, $10,000.

DANVILLE, VA.—The Danville Knitting Mills have purchased a new 3-story building and will move their equipment into it. A dye-house and an engine and boiler-room are to be erected.

WINSTON-SALEM, N. C.—The P. H. Hanes Knitting Co., of Winston-Salem, proposes to erect a 4-story structure, 80 × 105 ft., to be connected with their present building by a bridge over the street. Men's, women's and children's ribbed underwear is manufactured by this company.

KNOXVILLE, TENN.—It is reported that the Fulton Manufacturing Co., manufacturers of steam regulators, will enlarge its plant to five times its former capacity. One of the features of the new addition will be a brass and iron foundry. W. M. Fulton is Pres.

AKRON, OHIO.—It is reported that the Burger Iron Co. have increased their capital from $25,000 to $100,000 and will erect a plant, 60 × 250 ft., with two wings and a power-house, 45 × 60 ft. A. Kull is Pres.; J. A. Burger is Secy. and Mgr. J. G. Rhoner is Treas.

STEUBENVILLE, OHIO.—The La Belle Steel Co. will erect ten finishing mills as additions to their plant, at an estimated cost of $1,000,000.

WAUKEGAN, ILL.—The Besley Brewing Co. will erect new bottling works, new office building, and purchase 100-HP. boiler and 50-ton ice machine.

OOSTBURG, WIS.—The Oostburg Steel Co., of this village, will build a $25,000 steel plant here. Peter Doane, Pres., will receive bids.

SIOUX CITY, IOWA.—The Sioux City Foundry & Mfg. Co. will erect a plant here. The boiler and structural steel shop will be 80 × 100 ft.

ST. PAUL, MINN.—H. Barna, Gen. Mgr. of the Hickory Gas Mantle Mfg. Co., will erect a 3-story factory, to cost $50,000, at Fourth and Exchange Sts.

OMAHA, NEB.—It is reported that Otto Wagner, 17th and Leavenworth Sts., will erect a bakery, 132 × 132 ft., at 17th and Cuming Sts., to cost from $12,000 to $15,000.

ST. LOUIS, MO.—Plans have been prepared by Mariner & La Beaume, Archs., 721 Olive St., for a 6-story printing establishment for the Con P. Curran Printing Co., 401 North Third St. Cost, $75,000.

DENVER, COLO.—It is reported that foundries, carpenter and machine shops will be erected by the Plattner Implement Co. near the Overland racing track, 1612 15th St. Cost, $80,000.

SANTA CRUZ, CAL.—The Santa Cruz Brewing Co., in which Max Stenz, F. R. Waltl and Carl Bick are interested, will erect an ice-making plant and brewery on Blackburn St. Capital, $200,000.

OAKLAND, CAL.—It is reported that the Western Ice & Cold Storage Co. will build a large ice-making plant and cold storage warehouse. Capital, $100,000. A. Leonard, of Leonard & Co., is Secy.

TORONTO, ONT.—Andrew Darling & Co., wholesale clothing manufacturers, are having plans prepared for a new factory, to be erected on Adelaide St. It will be 115 × 97 ft., eight stories high and built of reinforced concrete on Kahn system.

The Toronto Carpet Co. will commence erection of a 100 × 400-ft. weave room, as soon as work is completed on the dye-house now under construction.

The Dominion Radiator Co. is arranging for the erection of new buildings here, to have a frontage of 2,500 ft. and cover ten acres. E. J. Lennox, Arch., is preparing the plans. The buildings will be of brick and steel and of slow-burning construction. The works will be completed in the summer.

NIAGARA FALLS, ONT.—Bids are asked until Feb. 16, by John S. Feilding, C. E., 15 Toronto St., Toronto, for constructing steel factory building, 90 × 108 ft.

PORT ARTHUR, ONT.—W. A. Heywood, of the Tennessee Copper Co., Polk Co., Tenn., has announced he will erect a smelter here in connection with the Tip-Top Copper Mine.

WINNIPEG, MAN.—William Whyte, Vice-Pres. of the Canadian Pacific Ry. Co., with headquarters in Winnipeg, is considering plans for the enlargement of the company's shops here, at a cost of $250,000. The car shops and foundry buildings will be extended and several other buildings will be doubled in capacity.

NEW WESTMINSTER, B. C.—It is reported that it is the intention of the Schaake Machine Works to erect new buildings, including foundry, machine-shop, business offices, etc. They will be equipped with electric crane and operated by electricity.

MISCELLANEOUS CONTRACTS.

The names of parties awarded contracts are printed in capital letters.

CHIMNEYS.—Yonkers, N. Y.—See under Water Supply—Irrigation.

FIRE ALARM SYSTEM.—Strathcona, Alta.—Council has decided to install an electric fire alarm system.

PORTLAND CEMENT.—Peterboro, Ont.—Bids are asked by S. R. Armstrong, City Clerk, until Feb. 19, for 5,000 bbls. of Portland cement.

DRAIN.—Boone, Iowa.—Bids are asked until Feb. 27 by E. F. Jones, County Audr., for furnishing material and constructing County Drain No. 22.

BREAKWATER.—St. John, N. B.—The Board of Works will call for bids for the erection of a breakwater 1,000 ft. long on the west side of the harbor.

DRAIN.—Sac City, Iowa.—Bids are asked until Feb. 20 by the Board of Supervisors for constructing a drain in Cedar and Coon Valley Townships. J. J. Harter, County Audr.

LEVEE.—Memphis, Tenn.—Bids are asked until March 6 by the St. Francis Levee Board for constructing about 125,000 cu. yds. levee. H. N. Pharr, Ch. Engr., 618 Randolph Bldg., Memphis, Tenn.

CEMENT.—Brandon, Man.—Bids are asked until noon, April 11, for supplying from 6,000 to 8,000 bbls. of Portland cement. W. H. Shillinglaw, City Engr.; Harry Brown, City Clk. (Advertised, Engineering News.)

DRAIN.—Muncie, Ind.—Plans have been prepared by Charles Gough, County Engr., for an open and tile drain in Delaware and Madison Counties. Estimated cost, $65,000. Harry V. Moore is County Surv., Muncie.

TORPEDO TRUCKS.—Newport, R. I.—Bids are asked by the Bureau of Supplies and Accounts, until 10 a. m., Feb. 19, for 50 torpedo trucks at the naval torpedo station, Newport. E. B. Rogers, Paymaster Gen., U. S. N.

BEAR-TRAP GATES.—Wheeling, W. Va.—Bids are asked by Capt. F. C. Boggs, U. S. Engrs., until 11 a. m., March 12, for iron and steel for bear-trap gates for Dam No. 13, Ohio River. (Advertised, Engineering News.)

LUMBER, Wheeling, W. Va.—Bids are asked until 11 a. m., March 11, by Capt. F. C. Boggs, U. S. Engrs., for furnishing and delivering surfaced oak and yellow pine lumber for bear-trap gates for Dam No. 13, Ohio River. (Advertised, Engineering News.)

STEAMER. — Aberdeen, Wash. — The MATTHEWS SHIPBUILD[illegible] CO. of Hoquiam, Wash., has been [illegible] contract for building a steam scho[illegible] for the Hart Wood Lumber Co., of [illegible]leen. Cost, $110,000.

BROKEN STONE, COR[illegible]TED BARS, ETC.—Baltimore, Md.—Bid[illegible] asked until 11 a. m., Feb. 20, by H[illegible] F. Hooper, Register, Board of Awards, [illegible] broken stone, gneiss, corrugated bars for [illegible]forced concrete, etc. B. T. Fendall, [illegible] Engr.

NAVAL SUPPLIES.—Wa[illegible]ton, D. C.—Bids are asked until 10 a. [illegible] Feb. 19, by the Bureau of Supplies and [illegible]ounts, Navy Dept., for furnishing a qu[illegible] of various naval supplies at several na[illegible]ards. E. B. Rogers, Paymaster-Gen., U. [illegible]. Bids are also asked for supplies un[illegible] Feb. 26 and March 5, at 10 a. m.

(Continued on page [illegible])

CONTRACT PRICES.

[Where (*) precedes items under Contract Prices the work was advertised in Engineering News.]

*CAST-IRON WATER PIPE, ETC.—New Orleans, La.—Bids were received on Jan. 23 by the Sewerage and Water Board, George G. Earl, Gen. Supt., for hauling and laying approximately 50 miles of cast-iron water pipe, from 4 to 42 ins. in diameter, and aggregating about 13,000 tons. Also for furnishing six lots of cast-iron pipe and special castings, aggregating approximately 38,000 tons of pipe and 1,100 tons of special castings. Pipe will be in sizes from 4 to 42 ins. Bids to be considered upon each lot separately, or upon the first two and last four lots together or upon all lots together. The bid of the low bidder in each case for furnishing cast-iron pipe and special castings and for hauling and laying pipe, respectively, the CAMDEN IRON WORKS, of Camden, N. J., and the GENERAL CONTRACTING CO., of Atlanta, Ga., was accepted at a special meeting of the Board on Jan. 30. Before contract is finally awarded, however, the action of the Board in accepting these bids must be formally approved by the City Council. The bidders were as follows: For hauling (A) General Contracting Co.; (B) Irwin Bros., New Orleans; (C) Wm. McCarthy, Dayton, Ohio, $2,748,096.

For six lots of cast-iron pipe, etc.—(1) Camden Iron Works, Camden, N. J.; (2) American Cast-Iron Pipe Co., Birmingham, Ala.; (3) Southern Exporting Co., New Orleans, La.; (4) The Dimmick Pipe Co., Birmingham, Ala.; (5) U. S. Cast-Iron Pipe & Foundry Co., Chattanooga, Tenn.

BIDS RECEIVED FOR CAST-IRON WATER PIPE AT NEW ORLEANS, LA., ON JAN. 23.

		(A)	(B)	(C)
For unloading pipe and specials from cars to wagon and at point of delivery	8,000 tons.	$0.50	$0.40	$0.50
" " " " " " " in yard and properly piling same	5,000 tons.	.50	.40	.50
" loading from yard and unloading at point of delivery	5,000 tons.	.50	.40	.50
" each 100 feet of haul	1,040,000 tons h. ft.	.01	.01	2.00
" all 30-in. water pipe, per lin. ft. Section "A"	6,200 lin. ft.	2.80	3.00	4.50
" " 24-in. " " " " " "	5,700 lin. ft.	2.00	2.75	4.00
" " 20-in. " " " " " "	11,300 lin. ft.	1.50	1.95	2.50
" " 16-in. " " " " " "	2,600 lin. ft.	1.25	1.20	2.50
" " 12-in. " " " " " "	76,800 lin. ft.	.80	.80	2.00
" " 10-in. " " " " " "	100 lin. ft.	.75	.85	1.50
" " 8-in. " " " " " "	42,200 lin. ft.	.50	.60	1.30
" " 6-in. " " " " " "	36,800 lin. ft.	.40	.50	.90
" " 4-in. " " " " " "	4,400 lin. ft.	.35	.40	.80
" " 42-in. " " " " " "B"	4,300 lin. ft.	2.75	3.50	4.50
" " 36-in. " " " " " "	100 lin. ft.	3.00	3.00	4.50
" " 30-in. " " " " " "	6,100 lin. ft.	1.72	2.25	4.50
" " 24-in. " " " " " "	100 lin. ft.	1.50	1.70	3.00
" " 20-in. " " " " " "	14,200 lin. ft.	1.10	1.00	1.80
" " 16-in. " " " " " "	8,800 lin. ft.	.80	.55	1.50
" " 12-in. " " " " " "	12,700 lin. ft.	.60	.50	1.00
" " 10-in. " " " " " "	100 lin. ft.	.50	.50	1.00
" " 8-in. " " " " " "	100 lin. ft.	.40	.48	1.00
" " 6-in. " " " " " "	3,200 lin. ft.	.35	.40	.80
" " 4-in. " " " " " "	4,000 lin. ft.	.30	.30	.60
" furnishing on ditch, each 30-in. valve	10	350.00	400.00	400.00
" " " " " 24-in. "	7	200.00	240.00	225.00
" " " " " 20-in. "	20	140.00	150.00	158.00
" " " " " 16-in. " valve to be set vertically	10	75.00	80.00	80.00
" " " " " 16-in. " valve to set horizontally, with bev. gearing	3	100.00	100.00	100.00
" " " " " 12-in. "	140	36.00	45.00	42.00
" " " " " 10-in. "	1	25.00	30.00	24.00
" " " " " 8-in. "	186	20.00	25.00	25.00
" " " " " 6-in. "	272	15.00	18.00	16.00
" " " " " 4-in. "	132	10.00	10.00	11.00
" furnishing 4-in. hydrants, with two 2½-in. nozzles, on ditch	100	25.00	28.00	30.00
" " 4-in. " " two 2½-in. " and one steamer nozzle on ditch	10	27.50	31.00	33.00
" " 6-in. " " two 2½-in. " and one " " "	400	35.00	40.00	40.00
" setting each hydrant and furnishing concrete base and porous filling	510	5.00	5.00	7.00
" furnishing each 4-in. Rapp screw plug	10	1.25	1.00	2.00
" " " 6-in. " " "	70	1.65	1.40	3.00
" " " 8-in. " " "	10	2.50	2.20	4.00
" " " 10-in. " " "	10	4.00	4.20	4.00
" " " 12-in. " " "	10	7.50	6.00	4.00
" furnishing all cast valve boxes, cast-iron manholes and frames, per lb	100,000 lbs.	.05	.03	.05
" all lumber in place, per 1,000 ft. B. M.	160,000 ft. B. M.	30.00	30.00	20.00
" " blocks and wedges, per 1,000 ft. B. M.	40,000 ft. B. M.	30.00	30.00	30.00
" " round piling in place, per lineal foot	200 lin ft.	2.00	1.00	.50
" " creosoted piling in place, per lineal foot	200 lin. ft.	3.00	1.45	.60
" " extra excavation in Section "A", per cu. yd.	5,000 cu. yds.	1.00	1.00	3.00
" " " " " "B", per cu. yd.	1,000 cu. yds.	.85	1.00	2.00
" " brick masonry, per cu. yd.	300 cu. yds.	15.00	15.00	25.00
" " concrete masonry, per cu. yd.	200 cu. yds.	13.00	10.00	20.00
" " 4-in. vitrified clay drain tile in place, per lin. ft.	500 lin. ft.	.50	.40	1.00
" each square yard of asphalt, Class 1	17,100 sq yds.	4.00	3.50	4.00
" " " " Belgian block, Class 1	4,000 sq. yds.	4.00	2.50	1.50
" " " " vitrified brick, " 1	1,000 sq yds.	3.00	2.50	1.50
" " " " square block, " 1	22,800 sq. yds.	.75	.80	1.25
" " " " " " " 2	11,400 sq. yds.	.75	.70	1.50
" " " " cobble stone, " 1	9,500 sq. yds.	.75	.90	.50
" " " " " " " 2	4,700 sq. yds.	.75	.70	.65
" " " " gravel, " 1	1,300 sq. yds.	.60	.60	.50
" " " " " " " 2	400 sq. yds.	.60	.60	.65
" " " " shell, " 1	1,700 sq. yds.	.50	.60	.50
" " " " " " " 2	400 sq. yds.	.50	.60	.60
" lineal feet of plank, Class 1	1,300 lin. ft.	.30	.40	.25
" " " " " " " 2	400 lin. ft.	.30	.40	.25
" sq. yd. of bitulithic pavement, Class 1	100 sq. yds.	5.00	4.00	3.00
" " " " Schillinger, Class 1	800 sq. yds.	1.80	1.20	1.50
" " " " flagging, Class 1	1,500 sq. yds.	.75	.70	.70
" " " " " " 2	350 sq. yds.	.75	.70	1.00
" " " " brick, Class 1	1,000 sq. yds.	.75	.75	.60
" " " " " " 2	300 sq. yds.	.75	.60	.65
" old curbing removed and reset, per lin. ft.	500 lin. ft.	.25	.40	.60
" each cubic yard of cinders furnished and placed	20 cu. yds.	2.00	1.50	2.00
" " " " oyster shells furnished and laced	20 cu. yds.	2.50	2.50	2.00
" " " " sand furnished and placed	20 cu. yds.	2.00	2.00	2.50
" " " " gravel furnished and placed	20 cu. yds.	4.00	3.00	3.00
" " " " clam shells furnished and placed	20 cu. yds.	2.50	3.50	
		$419,527.00	$433,431.00	$2,748,096.00

BIDS RECEIVED JAN. 23 AT NEW ORLEANS, LA., FOR CAST-IRON WATER PIPE.

	Quantity.	(1)	(2)	(3)
Lot "A":				
For all 20-in. straight pipe, Class "B"	1,220 tons	$33.20	$33.00	$35.05
" " 16-in. " " " "	550 "	33.20	33.00	35.05
" " 12-in. " " " "	3,585 "	33.45	34.80	35.41
" " 10-in. " " " "	10 "	33.70	34.80	35.41
" " 8-in. " " " "	500 "	33.70	35.00	34.86
" " 6-in. " " " "	350 "	33.70	36.00	35.23
" " 4-in. " " " "	25 "	33.70	38.00	35.59
" " Special castings	250 "	54.00	60.00	60.00
Total		$222,339	$229,896	$235,338
	Quantity.	(2)	(3)	
Lot "B":				
For all 42-in. straight pipe, Class "B"	1,300 tons	$33.45	$35.59	
" " 36-in. " " " "	20 "	33.45	35.23	
" " 30-in. " " " "	2,050 "	33.45	35.59	
" " 24-in. " " " "	680 "	33.45	35.59	
" " 20-in. " " " "	1,000 "	33.45	35.05	
" " 16-in. " " " "	200 "	33.45	35.05	
" " 12-in. " " " "	115 "	33.45	35.41	
" " 10-in. " " " "	10 "	33.45	35.41	
" " 8-in. " " " "	500 "	33.45	34.86	
" " 6-in. " " " "	350 "	33.45	35.23	
" " 4-in. " " " "	25 "	33.45	35.59	
" " Special castings	250 "	54.00	60.00	
Total		$222,562	$236,269	
	Quantity	(1)	(3)	
Lot "C":				
For all 12-in. straight pipe, Class "B"	702 tons	$31.80	$35.50	
" " 6-in. " " " "	2,787 "	32.20	35.25	
" " 4-in. " " " "	1,587 "	32.80	35.59	
" " Special castings	100 "	54.00	60.00	
Total		$169,519	$185,644	
	Quantity.	(1)	(4)	(3)
Lot "D":				
For all 30-in. straight pipe, Class "B"	1,483 tons	$31.40	$35.00	$35.59
" " 24-in. " " " "	245 "	31.40	35.00	35.59
" " 20-in. " " " "	1,216 "	31.40	35.00	35.05
" " 16-in. " " " "	10 "	31.40	35.00	35.05
" " 12-in. " " " "	1,777 "	31.80	35.00	35.41
" " 10-in. " " " "	10 "	32.20	35.00	35.41
" " 8-in. " " " "	10 "	32.20	35.00	34.86
" " 6-in. " " " "	2,512 "	32.20	35.00	35.23
" " 4-in. " " " "	1,203 "	32.80	35.00	35.59
" " Special castings	240 "	54.00	65.00	60.00
Total		$283,213	$311,910	$313,810
	Quantity.	(1)	(3)	
Lot "E":				
For all 20-in. straight pipe, Class "B"	280 tons	$31.40	$35.05	
" " 16-in. " " " "	806 "	31.40	35.05	
" " 12-in. " " " "	1,527 "	31.80	35.41	
" " 10-in. " " " "	10 "	32.20	35.41	
" " 8-in. " " " "	10 "	32.20	34.86	
" " 6-in. " " " "	3,427 "	32.20	35.23	
" " 4-in. " " " "	1,607 "	32.80	35.59	
" " Special castings	150 "	54.00	60.00	
Total		$254,462	$279,764	
	Quantity.	(1)	(4)	(3)
Lot "F":				
For all 20-in. straight pipe, Class "B"	10 tons	$31.40	$35.00	$35.05
" " 16-in. " " " "	75 "	31.40	35.00	35.05
" " 12-in. " " " "	1,264 "	31.80	35.00	35.41
" " 10-in. " " " "	10 "	32.20	35.00	35.41
" " 8-in. " " " "	19 "	32.20	35.00	34.86
" " 6-in. " " " "	1,683 "	32.20	35.00	35.23
" " 4-in. " " " "	876 "	32.80	35.00	35.59
" " Special castings	80 "	54.00	65.00	60.00
Total		$131,043	$142,995	$144,023
	Quantity.	(1)	(5)	(3)
Lots "A" and "B":				
For all 42-in. straight pipe, Class "B"	1,300 tons	$32.90	$33.73	$35.59
" " 36-in. " " " "	20 "	32.90	33.73	35.23
" " 30-in. " " " "	2,050 "	32.90	33.73	35.59
" " 24-in. " " " "	680 "	32.90	33.73	35.59
" " 20-in. " " " "	2,230 "	33.20	33.73	35.05
" " 16-in. " " " "	750 "	33.20	33.73	35.05
" " 12-in. " " " "	3,700 "	33.45	33.73	35.41
" " 10-in. " " " "	20 "	33.70	33.73	35.41
" " 8-in. " " " "	1,000 "	33.70	33.73	34.86
" " 6-in. " " " "	700 "	33.70	33.73	35.23
" " 4-in. " " " "	50 "	33.70	33.73	35.59
" " Special castings	500 "	54.00	65.00	60.00
Total		$442,595	$454,125	$471,607
	Quantity.	(1)	(5)	(3)
Lots "C," "D," "E" and "F":				
For all 30-in. straight pipe, Class "B"	1,483 tons	$31.10	$32.97	$35.59
" " 24-in. " " " "	245 "	31.10	32.97	35.59
" " 20-in. " " " "	1,506 "	31.10	32.97	35.05
" " 16-in. " " " "	891 "	31.10	32.97	35.05
" " 12-in. " " " "	5,270 "	31.50	32.97	35.41
" " 10-in. " " " "	30 "	31.90	32.97	35.41
" " 8-in. " " " "	39 "	31.90	32.97	34.86
" " 6-in. " " " "	10,409 "	31.90	32.97	35.23
" " 4-in. " " " "	5,273 "	32.50	32.97	35.59
" " Special castings	570 "	54.00	65.00	60.00
Total		$830,693	$866,114	$923,122
Lots "A," "B," "C," "D," "E" and "F":	Quantity.	(5)	(1)	(3)
For all 42-in. straight pipe, Class "B"	1,300 tons	$32.43	$32.90	$35.59
" " 36-in. " " " "	20 "	32.43	32.90	35.23
" " 30-in. " " " "	3,533 "	32.43	32.90	35.59
" " 24-in. " " " "	925 "	32.43	32.90	35.59
" " 20-in. " " " "	3,736 "	32.43	32.90	35.05
" " 16-in. " " " "	1,641 "	32.43	32.90	35.05
" " 12-in. " " " "	8,970 "	32.43	33.45	35.41
" " 10-in. " " " "	50 "	32.43	33.70	35.41
" " 8-in. " " " "	1,039 "	32.43	33.70	34.86
" " 6-in. " " " "	11,109 "	32.43	33.70	35.23
" " 4-in. " " " "	5,323 "	32.43	33.70	35.59
" " Special castings	1,070 "	65.00	54.00	59.00
Total		$1,290,410	$1,315,284	$1,393,659

*IMPROVING WATER SYSTEM.—Corning, N. Y.—Bids in detail were received as follows on Jan. 23 by the Board of Water Commissioners for extending and improving water system in this city. J. F. Witmer, Buffalo, N. Y., is Engr. (A) For furnishing 1,488 tons (per ton of 2,000 lbs.) of c.-i. pipe; (B) 60,000 lbs. of special castings; (C) total for (A) and (B): Camden Iron Works, Camden, N. J., (A) $33.50 per ton; (B) 2.9 cts.; (C) $51,588. U. S. Cast Iron Pipe & Foundry Co., New York, N. Y., (A) $33.80; (B) 3 cts.; (C) $52,094. Chas. Millar & Son, Utica, N. Y., (A) $34.26; (B) 2.75 cts.; (C) $52,502. Mine & Smelter Supply Co., New York, (A) $34.50; (B) 3.4 cts.; (C) $53,376. Massillon Iron & Steel Co., Massillon, O., (A) $39; (B) 4 cts.; (C) $60,432.

For hydrants, gate valves and valve boxes: (A) 100 fire hydrants; (B) two 14-in. gate valves; (C) ten 12-in. gate valves; (D) twelve 10-in. gate valves; (E) 26 8-in. gate valves; (F) 75 6-in. gate valves; (G) 125 valve boxes: (H) total: Mine & Smelter Supply Co., New York, (A) $23.68; (B) 47.05; (C) $28,75; (D) $22.58; (E) $15.87; (F) $10.27; (G) $2.40; (H) $4,503. Chas. Millar & Son, Utica, N. Y., (A) $21.25; (B) $55; (C) $33; (D) $28; (E) $19.75; (F) $12.50; (G) $2.83; (H) $4,705. Rensselaer Mfg. Co., Troy, N. Y., (A) $23.95; (B) $51; (C) $33; (D) $24.75; (E) $17.50; (F) $11.75; (G) $2.95; (H) $4,829. Eddy Valve Co., Waterford, N. Y., (A) $25.25; (B) $45; (C) $35; (D) $25; (E) $18; (F) $11.50; (G) $3; (H) $4,970. R. D. Wood & Co., Philadelphia, Pa., (A) $26.50; (B) $50; (C) $32; (D) $25; (E) $17.50; (F) $12; (G) $3; (H) $5,100. Bourbon Copper & Brass Works, Cincinnati, Ohio, (A) $26; (B) $58; (C) $36.35; (D) $28.18; (E) $21.13; (F) $15.15; (G) free; (H) $5,123. Ludlow Valve Mfg. Co., Troy, N. Y., (A) $27; (B) $53; (C) $33; (D) $26; (E) $18.25; (F) $12; (G) $3; (H) $5,197. Roe Stephens Mfg. Co., Detroit, Mich., (A) $28.50; (B) $57.50; (C) $35; (D) $23.45; (E) $16.50; (F) $11.50 (G) $3.25; (H) $5,294. Darling Pump & Mfg. Co., Williamsport, Pa., (A) $36; (B) $62.50; (C) $40; (D) $29; (E) $20; (F) $14.20; (G) $3.50; (H) $6,495. W. P. Taylor, Buffalo, N. Y., (G) $2.95.

Pipe laying (per lin. ft.): (A) 2,400 ft. of 14-in. pipe; (B) 5,400 ft. of 12-in.; (C) 4,500 ft. of 10-in.; (D) 13,380 ft. of 8-in.; (E) 42,000 ft. of 6-in.; (F) total: Brooks, Fitz & Partridge, Scranton, Pa., (A) 45 cts; (B) 37 cts.; (C) 32 cts.; (D) 28 cts.; (E) 25 cts.; (F) $18,764. M. Applegate & Son, Alliance, Ohio, (A) 41 cts.; (B) 38 cts.; (C) 35 cts.; (D) 31 cts.; (E) 26 cts.; (F) $19,679. Long & Little, Leominster, Mass., (A) 50 cts.; (B) 45 cts.; (C) 40 cts.; (D) 30 cts.; (E) 26 cts.; (F) $20,364. J. Vaughn, Stamford, N. Y., (A) 70 cts.; (B) 50 cts.; (C) 40 cts.; (D) 30 cts.; (E) 26 cts.; (F) $21,114. John C. Swanson, Jamestown, N. Y., (A) 48 cts.; (B) 43 cts.; (C) 38 cts.; (D) 33 cts.; (E) 28 cts.; (F) $21,359. Bolton G. Coon, Kingston, Pa., (A) 46 cts.; (B) 43 cts.; (C) 42 cts.; (D) 36 cts.; (E) 31 cts.; (F) $23,153. James G. Corcoran, Pittsburg, Pa., (A) 56 cts.; (B) 56 cts.; (C) 44 cts.; (D) 38 cts.; (E) 34 cts.; (F) $25,708. Besch & Beebe, Utica, N. Y., (A) 60 cts.; (B) 58 cts.; (C) 54 cts.; (D) 52 cts.; (E) 36 cts.; (F) $29,080. Empire Gas & Imp. Co., New York, N. Y., (A) 57 cts.; (B) 53 cts.; (C) 48 cts.; (D) 44 cts.; (E) 41 cts.; (F) $29,497. Bailey, Johnson & Saunders, Buffalo, N. Y., (A) 60 cts.; (B) 55 cts.; (C) 50 cts.; (D) 45 cts.; (E) 42½ cts.; (F) $30,531. B. Pizzimenti, New York, N. Y., (A) 85 cts.; (B) 73 cts.; (C) 61 cts.; (D) 51 cts.; (E) 41½ cts.; (F) $32,981. Stevens-Hewitt Eng. Co., New York, N. Y., (A) 69 cts.; (B) 66½ cts.; (C) 64 cts.; (D) 62 cts.; (E) 60 cts.; (F) $41,623. William F. Ellis, New York, N. Y., cost plus 10%.

Reservoir: (A) reservoir; (B) impounding basin; (C) repairing and covering old reservoir: J. Vaughn, Stamford, N. Y., (A) $11,707; (B) $10,380; (C) $15,735. Bradley & Nolan, Corning, N. Y. (A) $14,110; (B) $10,478; (C) $14,454. John C. Swanson, Jamestown, N. Y., (A) $12,850; (B) $10,400; (C) $17,400. Besch & Beebe, Utica, N. Y., (A) $12,050; (B) $15,830; (C) $13,608. Corning Building Co., Corning, N. Y., (A) $12,963; (B) $14,080; (C) $15,830. Long & Little, Leominster, Mass., (A) $17,851; (B) $15,868; (C) $24,419. Stevens-Hewitt Eng. Co., New York, (A) $17,457; (B) $19,022; (C) $25,745. Bailey, Johnson & Saunders, Buffalo, N. Y., (A) $20,900; (B) $21,000; (C) $24,053. Brooks, Fitz & Partridge, Scranton, Pa., (A) $14,000; (B) cost plus 10%; (C) $17,500. Bolton G. Coon, Kingston, Pa., (A) $11,885; (B) cost plus 10%; (C) cost plus 10%; Frank Foote, Nunda, N. Y., (A) $14,346; (B) no bid; (C) $19,446. W. P. Taylor, Buffalo, N. Y. William F. Ellis, New York, N. Y., cost plus 10%.

MISCELLANEOUS CONTRACTS.

(Continued from page 60.)

ORDNANCE.—Washington, D. C.—The Bureau of Ordnance, War Dept., Washington, D. C., has awarded to the BETHLEHEM STEEL CO., South Bethlehem, Pa., contract for furnishing 2,000 15-pounder common steel shells.

FILLING-IN.—Toronto, Ont.—C. H. Rust, City Engr., has reported to the City Council that the proposed work of filling-in Ashbridge Bay, as outlined by the Commissioner of Industries, will cost $275,000 and would add 90 acres to the city.

BROKEN STONE, SAND.—New York, N. Y.—Bids are asked until noon, Feb. 15, for furnishing and delivering about 3,000 cu. yds. of sand, Class 1., and about 7,500 cu. yds. of broken stone, Class 2. J. A. Bensel, Comr. Docks and Ferries.

TUG.—Washington, D. C.—Bids were received Feb. 6, at the Office of the Revenue-cutter Service, Treasury Dept., Washington, for furnishing one ocean-going tug. But one bid was received, that of Pusey & Jones, Wilmington, Del., at $189,050.

DOCK.—Chicago, Ill.—The FITZSIMMONS & CONNELL CO., Tacoma Bldg., has secured the contract for constructing municipal dock along west side of branch of Chicago River near Archer Ave., for which bids were opened Feb. 2, at $21.90 per lin. ft.

TELEPHONE LINES.—Edmonton, Alta.—The provincial government has decided to build a third long-distance telephone line. It will run between Lacombe and Stettler, a distance of 51 miles, with local exchanges at all towns on the route. W. H. Cushing is Minister of Works, Calgary, Alta.

TUNNEL.—Boston, Mass.—Bids were received on Feb. 5, by the Boston Transit Commission, B. Leighton Beal, Secy., for constructing entrances and exits for the Washington St. tunnel station, near the Old South Meeting House. Coleman Bros. were the lowest bidders, at $20,592.

TUG.—Washington, D. C.—Bids are asked until 2 p. m., Feb. 26, for construction of an ocean-going tug for the U. S. Revenue Cutter Service, to be known while in course of construction or until launched as Revenue Cutter No. 16, and to be delivered to the Government at the works of the accepted bidder. J. H. Edwards, Asst. Secy., Treasury Dept.

REPAIRING DIKES.—New York, N. Y.—Bids are asked until noon, March 11, by Col. D. W. Lockwood, U. S. Engrs., County Bldg., for furnishing and delivering piling and round timber; square timber and lumber; paving stone; tie rods, bolts, spikes, etc., for constructing and repairing dikes in the Hudson River. (Advertised, Engineering News.)

REMOVING ROCK.—New York, N. Y.—Bids were received as follows on Feb. 11 by J. A. Bensel, Comr. of Docks, for excavation and removal of rock over the site of a proposed bulkhead wall, and outshore from same, between East 65th and East 74th Sts., East River, Boro. of Mantattan: R. G. Packard & Co., $9.35 per cu. yd.; P. Sanford Ross, $11.99; Leslie McHarg & Co. and Grant Rohrer, $12.37.

PIERS.—North Chicago, Ill.—The only bid recently received by the Chief of the Bureau of Supplies and Accounts, Navy Dept., Washington, D. C., for erecting the two piers at the Naval Training Station, Great Lakes, North Chicago, was that of the Great Lakes Dredge & Docks Co., of Chicago, Ill., for $7,485. The contract has not yet been awarded, pending receipt of recommendation from the Commandant of Training Station.

CANAL.—Boston, Mass.—Bids are asked until noon, March 28, by the Boston, Cape Cod & New York Canal Co., 43 Tremont St., Boston, Mass., for constructing a ship canal, beginning at the mouth of Monument River, on Buzzards Bay, and running through the towns of Bourne and Sandwich to the shore of Barnstable Bay. William Barclay Parsons is Ch. Engr., 60 Wall St., New York, N. Y.; Charles C. Dodge is Pres. of Canal company. (Advertised Engineering News.)

DRYDOCK.—San Francisco, Cal.—The New York "Tribune" states that "the largest drydock in the world, with a stone and concrete basin, big enough to hold any two of the battleships of the United States navy at one time, is about to be constructed at Hunter's Point by the San Francisco Dry Dock Co., at a cost of $1,250,000. It is said that the new dock will be 1,050 feet in length, 170 feet longer than the famous dock at Glasgow, and 225 feet longer than the Alexandra dock in Belfast Harbor."

BUOY SERVICE.—Buffalo, N. Y.—Bids are asked by Comdr. F. M. Bostwick, U. S. N., Light-House Inspector, until noon, Feb. 28, for maintaining all the buoys now in Niagara River, at Waverly Shoal, Seneca Shoal and Buffalo Breakwater South Entrance, Lake Erie, and in the approaches to the harbor of Buffalo, N. Y., for the fiscal year ending June 30, 1908. Also for maintaining all the buoys now in the St. Lawrence River and as far westward in Lake Ontario as Ford Shoal Buoy, inclusive, for the fiscal year ending June 30, 1908.

STEAMER.—New York, N. Y.—A contract has been awarded for a new steamer for the People's Hudson River Line, between New York and Albany. The hull will be of steel. It will be 440 ft. in length, with more than 500 staterooms, many of them in bathroom suites, and will have sleeping capacity for 2,500 passengers. It will be ready for the summer business of 1908. The hull of the vessel will be built at Camden, N. J., by the NEW YORK SHIPBUILDING CO., the engines by the W. & A. FLETCHER CO., of Hoboken, and the joiner work by CHARLES M. ENGLIS, of Greenpoint.

LOCKS, GATES, CEMENT.—Columbus, Ohio.—Bids are asked by State Board Public Works, Charles E. Perkins, Ch. Engr., Columbus, until noon, March 5, for rebuilding nine locks between Middletown and Dayton, two locks in the city of Toledo, one lock in the city of Defiance, and Buckland's lock, about two miles west of Grand Rapids; for the construction of a concrete dam 1,850 ft. long across the Maumee River at Grand Rapids, and for concrete protection walls at the abutments of Independence Dam, about four miles east of Defiance; for 96 ft. of cast-iron culvert pipe delivered at Melrose; for concrete and iron head gate about three miles north of Middletown; for concrete culvert across canal about two miles north of Franklin; for six concrete and iron waste gates between Miamisburg and Lockland; and for 14,700 bbls. of Portland cement, to be delivered as follows, to-wit: 7,000 bbls. at railroad stations between Dayton and Lockland, 4,500 bbls. at railroad station at Grand Rapids, 3,000 bbls. at Toledo, and 200 bbls. at Defiance, all on the Miami and Erie Canal.

DRAINS.—Clarion, Iowa.—Bids are asked until 3 p. m., March 4, for construction of the following drains or ditches near Eagle Grove, Iowa: Drain No. 15: Work to begin on or about May 1st, and to be completed on or before Jan. 1st, 1908. Open drain, excepting 447 ft., which will be 36-in. sewer pipe. Width of bottom of open ditch, 4 to 8 ft. Slope of sides, 1 to 1. Divided into four sections, as follows: Section 1: Length, 7,627 ft.; excavation, 24,678 cu. yds. and the 447 ft. of covered drain. Section 2: Length, 100 ft. across the Mason City & Fort Dodge Railroad right-of-way. Section 3: Length, 5,755 ft.; excavation, 7,124 cu. yds. Section 4, lateral "A": Length, 6,490 ft.; excavation, 16,349 cu. yds. To be let with No. 16.

Drain No. 16: Work to begin on or about May 1st and to be completed on or before Jan. 1st, 1908. Open Drain. Width of bottom, 4 ft. Slope of sides, 1 to 1. Divided into three sections, as follows: Section 1: Length, 3,200 ft.; excavation, 10,440 cu. yds. Section 2: Length, 4,677 ft.; excavation, 13,161 cu. yds. Section 3: Length, 3,883 ft.; excavation, 7,748 cu. yds. This drain connects with No. 15, and is to be let in connection with it. All bids must be by sections, and bids may also be filed for drain or improvement complete. E. M. Calender, County Audr.

U. S. POSSESSIONS AND CUBA.

The names of parties awarded contracts are printed in capital letters.

PIPE, ETC.—Panama.—Requisitions have been received from Panama by the Isthmian Canal Commission, Washington, D. C., calling for 337,000 ft. of galvanized-iron pipe, of sizes from ¼-in. to 5-in., with the necessary fittings and 5,000 ft. 10-in. wrought-iron pipe. Also for 50,000 lbs. pig lead, and 8,000 lbs. half and half solder, and a large quantity of valves of various sorts.

ENGINEERING SUPPLIES.—Panama.—Bids are asked until 10.30 a. m., Feb. 18, under Circular 350, by David W. Ross, Gen. Purchasing Officer, Isthmian Canal Commission, Washington, D. C., for a quantity of engineering supplies, as follows: 4,000 gross tons steel rails, 70-lb.; 25,000 splice bars; 235,000 tie plates; 90,000 track bolts; 300,000 lbs. track spikes; 50,000 nut locks; stove pipes; gaskets; cupola lining blocks; fire brick; 20 contractors' wagons; 30 portable platform scales; 18 office safes; furniture, etc.

Bids are asked until 10.30 a. m., Feb. 23, by David W. Ross, Gen. Purchasing Officer, Isthmian Canal Commission, Washington, D. C., for a quantity of engineering supplies, as follows: A large quantity of rubber hose, packing, belting and gaskets; leather fillet; vitrified sewer pipe (44,000 ft.) and fittings; cast-iron pipe, pulleys, wheelbarrows, steel springs, lawn mowers, machinists' taps, augers, blacksmiths' tools, pouring ladles, hammers, shovel handles, staples, screw hooks, steam whistles, wire rope and attachments, wire, lanterns, etc.

FOREIGN CONTRACTS.

(To insure prompt attention, letters upon consular business should be addressed to the American Consul at ———, ———. Such letters are opened and attended to by the person that may be in charge of the office. If addressed to the consul, personally, letters are forwarded to him, unopened, should he be absent, and a delay thus intervenes. If, in the meantime, he should have gone out of office the matter may wholly escape attention.)

WATER-WORKS.—Italy.—Three separate schemes are proposed with a view to supplying drinking water to the city of Genoa and its environs, and applications for concessions have been made to the Prefecture by the engineers S. Bruno, C. Rossi, Charles Fuselli and G. Bionidi.

RAILWAY. — Roumania.—The Roumanian Government will shortly invite bids for the construction of a railway from Bucharest to Craiova, via Caracal, at a cost of 28,000,000 lei (about $5,500,000). The length of the line will be 203 kiloms. Details of proposed work were given in last week's issue.

BRIDGES.—Russia.—The Municipal Council of St. Petersburg has decided on the reconstruction of all the bridges crossed by the electric tramways. Work will be commenced on the Ekateringofka bridge in the course of a month or two. The cost has been estimated at from 600,000 to 700,000 rubles (about $300,000 to $350,000).

RAILWAY.—Java.—The "Dépêche Coloniale" states that the Dutch Government proposes to take in hand the construction of a railway from Tijikampele to Cheribon, thus linking up the Western railways of Java, and establishing the privately-owned line from Samarang to Cheribon, and establishing railway communication between the three chief ports of the island.

RAILWAY.—Argentina.—Don Antonio Guglielmetti has been appointed to carry out, with the aid of three assistants, surveys for the construction of a railway from Alpasinche to Belen and Santa Maria.

The Directorate-General of Railways has been authorized to invite bids for the construction of railways between (1) El Bracho and Leales, at a cost of 325,694 gold pesos (about $300,000); (2) Cejas and Antilla, at a cost of 1,858,819 gold pesos (about $1,700,000), including the purchase of rolling stock. This estimate allows 10% for unforeseen expenses and 5% for management and inspection of works.

CIVIL SERVICE EXAMINATIONS

CIVIL SERVICE EXAMINER.—New York, N. Y.—The Municipal Civil Service Commission will hold an examination on Feb. 27, at 10 a. m., for the position of Civil Service Examiner (men and women). Salaries ranging from $1,200 to $2,400 will be paid. There are two vacancies, with a beginning salary of $1,200. The appointees will be required to give all their time to the work of the Commission. The minimum age is 21 years. Frank A. Spencer, Secy.

ASSISTANT ASSAYER.—Charlotte, N. C. —An examination will be held by the U. S. Civil Service Commission on Feb. 27, to secure eligibles to fill a vacancy in the position of Assistant Assayer in the United States Assay Office, at Charlotte, N. C., at $1,250 a year, and similar vacancies as they may occur in the Mint and Assay Service throughout the United States. The duties of the assistant surveyor are to receive, weigh, and melt deposits of bullion; to assay gold bullion of various characters and fineness; to make the necessary computations to determine the value of each deposit, and to determine gold, silver, lead, zinc and iron in ores in general. Age limit, 20 years or over. Application Form No. 1,093.

INSPECTOR OF MASONRY CONSTRUCTION.—New York, N. Y.—The Municipal Civil Service Commission will receive applications until noon, Feb. 23, for the position of Inspector of Masonry Construction, Board of Water Supply. The examination will be held at 10 a. m., March 7. Candidates should be acquainted with technical marks and terms as used in connection with tunnels, arches and stone masonry, and familiar with the quality of materials used in stone, concrete and brick masonry. There probably will be many appointments. Salaries: For open trench work, $4.50 a day when employed, and $5 a day for tunnel work. Employees will be called on to work outside of the city and assigned to work wherever their services are required. Certification from this list will not be made to any other department except, if necessary, to the Aqueduct Commission. The minimum age is 21 years. Frank A. Spencer, Secy.

SURVEYOR.—Philippines.—The U. S. Civil Service Commission announces an examination on Feb. 27, to secure eligibles to fill at least 30 vacancies in the position of Surveyor, at $1,400 a year each, in the Philippine Service, and similar vacancies as they may ocur in that service. Field expenses are allowed appointees when absent on duty from their permanent station. Age limit, 18 to 40 years. Application Forms 2 and 375. As the Commission has experienced considerable difficulty in securing eligibles for this position, qualified persons are urged to enter this examination.

CLERK, DRAFTSMEN.—Washington, D. C. —An examination will be held by the U. S. Civil Service Commission on Feb. 27-28 to secure eligibles to fill the following-named vacancies in the offices of the surveyors general of the Land Office Service, at the places indicated, and similar vacancies as they may occur: One Draftsman, $1,400 a year, San Francisco, Cal., and another at $4 a day. Two Copyists-Draftsmen, $4 a day each, Phoenix, Ariz. One Draftsman and three Copyists-Draftsmen, at $4 a day each, Reno, Nev. One Draftsman, $1,400 a year, Bismarck, N. Dak. Age limit, 21 years. Application form 1312.

For other Proposal Advertisements see pages 51, 52, 53, 54, of Advertisements and Construction News page 62.

STREET PAVING, 17,000 YARDS.

St. Clairsville, Ohio.

Sealed bids will be received by John C. Nichols, Clerk of the Village of St. Clairsville, Ohio, until 12 o'clock noon, Central Standard time, on Friday, March 1, 1907, for grading, curbing and paving Main Street with vitrified paving brick or block. Specifications and blank forms for bidders will be furnished upon application to the undersigned.

JOHN C. NICHOLS, Clerk.

Specifications on file at the offices of the Engineering News in New York and Chicago. 7-1t

FIRE HYDRANTS.

Asbury Park, N. J.

Sealed bids addressed to the undersigned will be received until 12 o'clock, noon, Saturday, Feb. 23, 1907, for ten (10) fire hydrants. Specifications mailed upon application. The right is reserved to reject any or all bids and to award contract as may appear to be of best advantage to the City of Asbury Park.

J. L. COFFIN, Supt. Dept. Water & Sewers, 711 Asbury Ave., Asbury Park, N. J. 7-1t

CHIMNEY.

Yonkers, N. Y.

Sealed proposals will be received at the office of the Board of Water Commissioners, Yonkers, N. Y., until 8 p. m., March 7, 1907, for furnishing all materials and erecting one chimney five (5) feet inte[rnal] diameter and one hundred and ten (110) [fe]et in height.

Specifications containing [o]ther information for bidders, form of [prop]osal and contract will be mailed to co[ntrac]tors who apply to the Board of Wa[ter C]ommissioners, or can be obtained at their [offic]e. Bids must be made out and submitt[ed on] the printed form furnished by Board o[f Wa]ter Commissioners, and forming part [of s]pecifications.

The Board of Water C[omm]issioners reserve the right to reject an[y or] all bids and to accept such proposals a[s the]y deem best for the interest of the cit[y of] Yonkers.

JOHN J. LEV[...], President.

A. W. KINGSBURY, Cler[k]. 7-1t

BOSTON, CAPE COD AND NEW YORK CANAL COMPANY

Invitation to Contractors.

Office of the Boston, Cape Cod and New York Canal Company.
No. 43 Tremont Street,
Boston, Mass., February 6, 1907.

The BOSTON, CAPE COD AND NEW YORK CANAL COMPANY proposes to construct a ship canal, beginning at the mouth of Monument River on Buzzards Bay and running through the towns of Bourne and Sandwich to the shore of Barnstable Bay, together with all such wharves, docks, breakwaters and other structures and works as may be necessary for the convenient use of the said canal in conformity with the provisions of an act of the General Court of the Commonwealth of Massachusetts, approved June 1, 1899 (being chapter 448 of the acts of the said year), as amended by a further act of the said General Court approved July 17, 1900 (being chapter 476 of the acts of the said year), and in accordance with the plans on file in the office of William Barclay Parsons, Chief Engineer, No. 60 Wall Street, New York City, together with the approaches, highways and tunnels and the railroad crossing and change of location provided for in the said acts, and all work appurtenant thereto, all upon the terms and conditions set forth in the form of contract which will be on file in said office on and after February 20th, 1907. Copies of the same and of the form of bond and of contractor's proposal and of the location and plans may be seen at the said office.

Every bidder shall sign the form of contract and file a bond with, and as a part of his bid.

The bond shall be in the penalty of $750,000, to secure performance by the contractor of all obligations undertaken, which bond shall be executed by a surety company, or by sureties satisfactory to and approved by the company. Individual sureties must be residents of Massachusetts.

The bids endorsed "PROPOSALS FOR THE CONSTRUCTION OF THE BOSTON, CAPE COD AND NEW YORK CANAL," with the name of the person or persons, corporation or corporations, making the same will be received at the office of the company, No. 43 Tremont Street, Boston, Mass., until the 28th day of March, 1907, at 12 o'clock noon. The contract shall be awarded to the lowest bidder, satisfactory to the Company and to the Joint Board of Railroad and of Harbor and Land Commissioners of the Commonwealth of Massachusetts, who shall give bond satisfactory to the company.

Each proposal shall be enclosed in a sealed envelope and delivered at the said office to Mr. Robert K. Tomlin representing the Company. No proposal will be received, unless accompanied by a certified check, drawn upon a National or State bank within the City of New York or the City of Boston, payable to the order of the company for the sum of $75,000.

If the bidder shall fail to commence work under the contract as required, or should abandon the contract before or after execution by the company, the said sum shall be forfeited to the company without diminishing or impairing its full right to damages. Such check must not be enclosed in the sealed envelope containing the proposal, but must be separately delivered to the company. All such checks, deposited by bidders whose proposals shall not be accepted by the company, will be returned to the person or persons making the same.

Bidders must state in their proposals their names and places of residence, and, if the bidder shall be a corporation, there shall be submitted a certified copy of its certificate of incorporation, with a certificate of the amount of stock paid in cash, a certified statement of its assets and liabilities, a certified copy of the proceeding authorizing the execution of the contract, and the names and business addresses of all officers and directors of the company shall be stated.

Each bidder shall in his or its proposal specify a place within the City of Boston, at which notices may be delivered, and the delivery of a notice at such place shall be deemed to be a sufficient delivery and notice to such bidder.

The company reserves the right to reject all proposals, and is not to incur any liability hereunder unless a contract be executed by it after approval of the said joint board.

BOSTON, CAPE COD AND NEW YORK CANAL COMPANY.
By
CHARLES C. DODGE,
President.

7-3t

SEWER.

Sayre, Pa.

Sealed proposals will be [recei]ved by the Borough Clerk until 7.30 [o'cl]ock P. M., Tuesday, March 12, 1907, f[or t]he construction of approximately the [follo]wing trunk line sewer, including all la[bor] and material:

4,400 feet 24-in. pipe.
1,060 ft. 20-in. pipe.
560 ft. 18-in. pipe.

The Town Council reserves the right to reject any and all bids. A certified check for $500, payable to the Borough Treasurer, must accompany proposal.

For specifications, address

H. H. MERCEREAU,
Borough Clerk.

7-3t

CEMENT.

Brandon, Manitoba, Can.

Sealed tenders addressed to the Chairman of Board of Works and endorsed "Tender for Cement," will be received by the undersigned until 12 o'clock noon of Thursday, April 11, 1907, for supplying from 6,000 to 8,000 bbls. of Portland Cement to the City of Brandon.

Specification and form of tender may be obtained on application to W. H. Shillinglaw, City Engineer, Brandon, Man.

The lowest or any tender not necessarily accepted.

HARRY BROWN, City Clerk.

Brandon, Manitoba, Canada, February 8, 1907. 7-4t

DEPARTMENT OF THE INTERIOR.—Office of the Superintendent, U. S. Capitol Building and Grounds, Washington, D. C., February 8, 1907.—Sealed proposals (in duplicate) will be received and opened at the above office, at 12 o'clock, noon, on Wednesdaya, April 3, 1907, for furnishing all plumbing fixtures for the House of Representatives office building. Plans and specifications can be had on application to the above office. A certified check in the sum of twenty-five dollars ($25.00) will be required from the intending bidder as a guarantee for the return of the plans and specifications, after the award of the contract. Bids must be accompanied by certified check or surety bond in the sum of 5% of the amount of bid. Contract will require approved surety bond in the sum of 50% of the amount of contract. The right is reserved to reject any or all bids, or to waive any technicality or informality in any bid. ELLIOTT WOODS, Superintendent U. S. Capitol Building and Grounds. Approved E. A. HITCHCOCK, Secretary. 7-4t

SITUATIONS OPEN

WANTED—Old established well-rated Contracting Company, half million capital, wants financial associate capable managing bond department, good salary and share profits to desirable party having good connections, contributing twenty thousand dollars upwards. Answer. Address "X. A. 7," Engineering News, New York. 7-1t

WANTED—Established Contracting Company, long standing, has opportunity of enlarging business; wants good consulting engineer cost accountant who can furnish some capital; good salary and interest to desirable party. Answer. Address "W. A. 7," Engineering News, New York. 7-1t

DRAFTSMAN WANTED—State age, education, experience, salary wanted, when can report. Send sample of work. THE TRENTON IRON CO., Trenton, N. J. 7-1t

Miscellaneous Wants

WANTED—Concrete Contractor has chance to obtain at private letting one hundred thousand yards profitable concrete work. Needs associate with fifty thousand dollars. Address "Z. A. 7," Engineering News, New York. 7-1t

FOR SALE

REVOLVING DERRICKS

Good as new. Revolves in complete circle, 50-ft. Boom, with 1¼-yard Clam-Shell Bucket. Located at Cleveland, O. For sale CHEAP.

GRAVES & STEPHENS,
Cleveland, Ohio.

7-1t

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30—Caps

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